

APPENDIX 2.2(A)
CV's OF EAP PROJECT TEAM

Jasper L Müller (Pr.Sci.Nat.)



Date of Birth: 16 November 1957

Nationality: S A Citizen

Position in firm: Managing Director

Qualification:

B. Sc.: Geology and Geohydrology, UOFS, 1979

B. Sc. (Hons): Geohydrology, UOFS, 1980

M. Sc. (Cum Laude): Geohydrology, UOFS, 1984

Memberships:

Geological Society of SA : Ground Water Division
South African Council for Natural Scientific Professions
National Groundwater Association.

Period employed:

1981 Hydrologist with Dept. of Water Affairs.

1983 Researcher with Institute for Ground Water Studies, UOFS.

1987 Divisional Head, Geohydrology, Environmental Science Services

1988 Founded Jasper Müller Associates.

Jasper Müller received his training as geohydrologist at the Institute for Ground Water Studies (University of the Free State). He worked at IGS as Researcher / Lecturer, specialising in numerical aquifer analyses.

He left IGS in 1986 and joined the consulting firm Terradata, where he was involved in projects related to ground water pollution and water supply.

In 1987 he was appointed at the consulting firm Environmental Science Services. His responsibility was to structure and build a division for water sciences (ground water and surface water). During his tenure at ESS he also floated a division on ground water monitoring.

During 1988, Jasper founded JMA, which has since evolved into a consulting firm employing 17 people. JMA is a multi-disciplinary team specialising in geohydrology.

Since 1988 Jasper Müller was involved on a consulting level on more than 200 JMA projects related to water supply, aquifer management, ground water quality investigations, ground water monitoring, ground water impact and risk modelling, ground water pollution remediation and litigative consultative work.

E-mail: jasper@jmaconsult.co.za

Jaco van der Berg (Pr.Sci.Nat.)



Date of Birth: 19 May 1972
Nationality: S A Citizen
Position in firm: Director : Mining Division
(Shareholder)

Qualification:

B. Sc.: Geology/Geochemistry, UOFS, 1993
B. Sc. (Hons): Geochemistry, UOFS, 1994
M. Sc.: Geohydrology, UOFS, 1998

Memberships:

South African Council for Natural Scientific Professions

Period employed:

1995 Geologist with Anglo American Corporation of SA
1999 Project Geohydrologist with Jasper Müller Associates

Jaco van der Berg received his training as geologist at the Geology Department of the University of the Free State. He was an Anglo American Corporation of South Africa Bursary holder from 1991 - 1994.

He worked as a geologist-in-training at Freddie's No.5 shaft during 1995. From there, he was transferred to Western Holdings No.9 shaft until the end of 1996. His main responsibilities during these two years, were:

- Underground geological mapping of development ends, raises and stopes
- Updating geological data sheets
- Structural geology planning
- Core drilling and logging
- Attending scrutiny and planning meetings
- Reserve planning

He left Anglo American in 1997 to do his M Sc at the Institute of Ground Water Studies (University of the Free State). His thesis was on the application of power station fly ash in rehabilitation of mining environments.

He was appointed as project geohydrologist at JMA in 1998. His main line of responsibilities was the compilation of ground water inputs for mine EMPR's and geochemical modeling and risk assessment of mine residue deposits.

E-mail: jaco@jmaconsult.co.za

Genevieve M Cloete (Pr.Sci.Nat.)



Date of birth: 13 December 1976
Nationality: S A Citizen
Position in firm: Scientist (ST 4)
Environmental Monitoring and Auditing

Qualifications:

B.Sc. Zoology, UP 1997

B.Sc. (Hons) Environmental Analysis and Management, UP

Period employed:

1995 Plant Reproduction/Mycological research assistant, University of Pretoria, Department Botany.

1998 Typist/Graphical assistant, Modern Talking, Delmas

1999 General scientific assistant with JMA.

Genevieve Cloete completed her studies in the field of Environmental analyses & management at the University of Pretoria. During her time of study, she worked at the University of Pretoria as researcher in the field of Plant reproduction/Micological research.

After completing her studies she worked at Modern Talking - a computer & stationary shop - as a Typist/Graphical designer.

In 1999 she was appointed as a general scientific assistant with JMA. Her responsibilities included database management, assisting in GIS tasks and general office functions, including graphic designing.

At present she is responsible for impact studies in the field of natural vegetation and animal life. Apart from this, she is also involved in GIS/mapping tasks, as well as the compilation and management of ground water monitoring programs.

E-mail: genevieve@jmaconsult.co.za

Shane Turner (Cand.Sci.Nat.)



Date of Birth: 7 October 1986

Nationality: S A Citizen

Position in firm: Junior Scientist (Geohydrology)

Qualification:

B. Sc. Geology: Earth Science, US, 2007

B. Sc. (Hons) Geology, US, 2008

Memberships:

South African Council for Natural Scientific Professions

Period employed:

2009 Junior Scientist at JMA

E-mail: shane@jmaconsult.co.za

Riaan Fourie (Cand.Sci.Nat.)



Date of Birth: 19 September 1986

Nationality: S A Citizen

Position in firm: Junior Scientist (Environmental)

Qualification:

B. Sc. Environmental Science, NWU, 2007

B. Sc. (Hons) Environmental Science, NWU, 2008

Memberships:

South African Council for Natural Scientific Professions

International Association for Impact Assessment (South Africa)

Period employed:

2009 Junior Scientist at JMA

E-mail: r.fourie@jmaconsult.co.za

Kobus Du Plessis



Date of Birth: 10 December 1986

Nationality: S A Citizen

Position in firm: Junior Scientist (ST 3)

Qualifications: B.Sc. Conservation Ecology, US (2009)
FGASA Level 1 and 2 (Ulovane Environmental Training)

Period employed:

April 2010 - Dec 2011: Manage Private Tented Camp at Amakhala Game Reserve, Eastern Cape.

Feb 2012 - May 2012: Environmental Assistant, GNEC, Paarl.

May 2012: Junior Scientist, JMA Consulting, Delmas.

Kobus Du Plessis completed his studies in the field of Conservation Ecology at the University of Stellenbosch. During his time of study (2005 – 2009), he conducted fieldwork all over the Western Cape concentrating on various aspects of the Fynbos biome. He also worked in the Southern Cape, where he drew up a management plan for Botlierskop Private Game Reserve.

After completing his studies he was employed as a manager at Amakhala Private Game Reserve in the Eastern Cape.

At the beginning of 2012, he started doing his part-time Masters in Environmental Management at University of Stellenbosch.

At present he is responsible for environmental impact assessment studies and reports.

Email: kobus@jmaconsult.co.za

CURRICULUM VITAE: DR. JOHAN H. VAN DER WAALS
(28 March 2011)

1. Personal Particulars

Full names: Johan Hilgard van der Waals **Title:** Dr.
Date of birth: 1969 – 05 – 22 **Place of Birth:** Pretoria
Race: White **RSA Id no:** 690522 5224 082
Marital status: Married
Language Proficiency:
Afrikaans: Excellent all round
English: Excellent all round
Spanish: Read and speak very good, writing fair
Portuguese: Understand fair
French: Understand fair (having completed two years of classes with the Alliance Francaise in Pretoria)
Computer Literacy/Proficiency: Highly proficient in a range of software packages including MS Word, MS Excel, MS Outlook, MapSource, Fugawi, ACDSsee as well as varying experience in a range of GIS/GPS software applications.

2. Contact Detail

Work physical address: 624 Whippet Street Garsfontein 0060 Pretoria	Work postal address: PO Box 40568 Garsfontein 0060 South Africa
Work telephone number:	+27 (0)12 993 0969
Work fax number:	+27 (0)86 274 6653
Cell phone number:	+27 (0)82 570 1297
Email address:	joan@terrasoil.co.za

3. Academic Qualifications

- 3.1 BSc Soil Science and Botany Cum Laude, 1995, Potchefstroom University for CHE
- 3.2 BSc Honours Soil Science and Plant Nutrition, 1999, University of Pretoria
- 3.3 MSc Soil Science and Plant Nutrition, 2001, University of Pretoria
- 3.4 PhD Soil Science, 2006, University of Pretoria

Resumé

Johan van der Waals completed his undergraduate studies in Soil Science and Botany at the Potchefstroom University for CHE (cum laude) in 1995. He completed his honours degree in Soil Science and Plant Nutrition (University of Pretoria) in 1999 (part-time), Masters in Soil Science and Plant Nutrition (University of Pretoria) in 2001 and PhD in Soil Science (University of Pretoria) in 2006. Both his Masters and PhD degrees focussed on heavy metal mobility in soils as a result of the use of metal containing waste products. He was a staff member in the department of Plant Production and Soil Science of the University of Pretoria from 1999 to 2007 and presented 13 courses of which many were self developed. His favourite and strongest course was Soil Classification in which the students were intensively exposed to the **South African Taxonomic System** as well as to the **World Reference Base for Soil Resources (WRB)** of the Food and Agriculture Organisation (FAO) of the United Nations (UN) and the United States Department of Agriculture's (USDA) **Soil Taxonomy**. During his tenure at the University of Pretoria he was actively involved in research on:

- heavy metal mobility in soils and the correlation of this mobility with easily classifiable soil properties,
- soil borne plant pathogens and the soil properties governing the incidence of the diseases (in collaboration with a number of other departments and institutes), and
- the influence of soil properties on the distribution of plants and animals (especially the Juliana's Golden Mole) in collaboration with a number of other departments and institutes.

In addition, Johan has been involved with the streamlining and optimization of fertilizer recommendations in the banana growing regions of SA with the aim of increasing profitability and yield as well as the decreasing of disease incidence. He has also been involved with the conducting of numerous ad-hoc pot and field trials on the yield of and nutrient and heavy metal uptake by maize, wheat, spinach, banana and other crops.

Since the establishment of Terra Soil Science CC, Johan has been involved in a range of soil consulting services. The bulk of the contribution to the industry entails soil surveys for EIAs as well as soil management plans and soil based wetland surveys and delineations. The recent focus on wetland conservation in SA led to a range of surveys to determine the status and extent wetlands that have had some form of human impact.

Johan van der Waals has an active interest in the understanding of soils and their properties and their influence on a range of natural and anthropogenic processes and as such is actively involved in research. Key to this understanding is a proper grounding in the Soil Classification, Soil Chemistry, Plant Nutrition and Soil Biology disciplines and therefore these form the core of his academic interests.



DR. J.H. VAN DER WAALS



Jones & Wagener

Consulting Civil Engineers

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Tel: (011) 519-0200 Fax: (011) 519-0201 Email: post@jaws.co.za

CURRICULUM VITAE

09 January 2007

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MICHAEL PALMER

Profession Civil Engineer

Date of Birth 12 September 1974

Position in firm Associate

Years with the firm 8 Years

Nationality South African

Education / Qualifications BSc Eng (Civil) (1996) University of the Witwatersrand, Johannesburg
MSc Eng (Civil) (2001) University of the Witwatersrand, Johannesburg

Languages English, Afrikaans

Employers

1998 to present Jones & Wagener



Areas of Expertise

Environmental Engineering, Hydrology, Water balance modelling, Mine and industrial water management, Landfill co-disposal modelling.

Professional Affiliations

ECSA Candidate Engineer (Registration Number 20025181)

SAICE Associate Member

Relevant Experience

Mine and Industrial Water Management

Strategic water management plan for operations and closure at Xstrata Coal mines – Mpumalanga – Xstrata Coal South Africa - 2006

Hydrological audit of water management measures, including sump sizing, pump selection, canal performance review and water balance update at Syferfontein Colliery – Mpumalanga – Sasol Mining – 2006

Assessment of stormwater system at Vantech, and review of stormwater design for Project Lion – Steelpoort – Xstrata Alloys – 2005

Assessment of the stormwater and process water systems for Environmental Baseline Study at Mittal Steel Dunswart and Pretoria Works – Johannesburg, Pretoria – Mittal Steel – 2004

Design of remedial measures to stormwater system at Mittal Steel Vaal Works – Vereeniging – Mittal Steel – 2004 to 2006

Flood routing and design of flood attenuation dam at Isibonelo Colliery – Mpumalanga – Anglo Coal – 2004

JONES & WAGENER (PTY) LTD REG NO. 93/02655/07 VAT No. 4410136685

DIRECTORS: PW Day PrEng MSc(Eng) FSAICE D Brink PrEng Hons BEng FSAICE JA Kempe PrEng BSc(Eng) GDE MSAICE CG Waygood PrEng BSc(Eng) MSAICE
PG Gage PrEng CEng BSc(Eng) GDE MSAICE GR Wardle PrEng MSc(Eng) MSAICE JP van der Berg PrEng PhD MEng MSAICE
ASSOCIATES: BR Antrobus PrSciNat BS(Hons) MSAIEG MD Grossett PrEng CEng BSc(Eng) GDE MSAICE AAArb RA Cooper PrEng BSc(Eng) GDE MSAICE
JR Shamrock PrEng MSc(Eng) MSAICE MIWM JE Glendinning PrSciNat MSc(Env. Geochem) DC Rowe BSc(Eng) MSAICE NJ Vermeulen PrEng PhD MEng MSAICE
SW Jacobsz PhD MEng GMSAICE MW Palmer MSc(Eng) AJ Bain BEng
CONSULTANTS: W Ellis PrEng CEng MStructE

Member of the S.A. Association of Consulting Engineers

Environmental Monitoring Gap Analysis for Sasol Secunda Mining and Industrial Complex – Secunda – Sasol Mining – 2003

Planning, hydrological assessment, design and construction of water management measures (including 5 dams and 4 canals) at Syferfontein Colliery – Mpumalanga – Sasol Mining – 2002

Assessment of the stormwater and process water systems for Environmental Baseline Study at Iscor Vereeniging Vaal, Klip and IST Works – Vereeniging – Iscor Long Steel Products – 2001

Design and construction of upgrades to stormwater system at Chem City I – Sasolburg – Sasol – 2000

Assessment of the clean and polluted stormwater systems at Natref – Sasolburg – Sasol – 1999

Design and hydrological assessment of extension to watercourse diversion at Ikhwezi Colliery – Delmas – Kuyasa Mining – 1999

Hydrology

Pre- and post construction runoff modelling for community relocation project at Potgietersrus Platinum – Limpopo Province – Potgietersrus Platinum – 2006

Scour analysis for bridge at Goedgevonden Colliery – Mpumalanga – R&H Railway Consultants – 2006

Polluted stormwater dam sizing at Rhovan – North West – Xstrata Alloys – 2006

Floodline determination for Huddle Park and Lejwe La Metsi golf estate developments – Johannesburg, Bela Bela – SIP Project Managers – 2005

Floodline determination for Leeukop Prison – Johannesburg – Sintec – 2005

Specialist input to bridge/culvert sizing and configuration at environmentally sensitive river crossing at Goedgevonden Colliery – Mpumalanga – R&H Railway Consultants – 2005

Hydrology and floodline determination for Boschmanspoort section, Optimum Colliery – Mpumalanga – BHP Billiton – 2005

Hydrological analysis and floodline determination for Western Complex Mines – Mpumalanga – Oryx Environmental Consultants – 2004

Surface and underground water and salt balance modelling at Bank Colliery, with subsequent updates – Mpumalanga – 2001 to 2004

Hydrology, floodlines, flood routing and assistance with water storage concept for Moma Titanium Sands project – Mozambique – Kenmare Resources – 2003

Floodline determination at Tweefontein Mine – Mpumalanga – BHP Billiton – 2003

Floodline determination for Block 8 Mining Project – Mpumalanga – Oryx Environmental Consultants – 2002

Culvert sizing for railway siding – Richards Bay – Thompson & van Eck – 2002

Culvert sizing for water feature on Parkview Golf Course – Johannesburg – Parkview Golf Club – 2001

Statistical analysis of rainfall data set for Tati Nickel Mine – Botswana – Basil Read – 2000

EMPR, WULA, EIA Inputs

Specialist surface water inputs to Social and Environmental Impact Assessment for extensions to Murowa Diamonds Mine – Zimbabwe – Rio Tinto – 2006

Specialist surface water inputs for Optimum Colliery EMPR – Mpumalanga – BHP Billiton – 2006

Specialist surface water inputs for Rhovan – North West – Xstrata Alloys – 2005, 2006

Compilation of EMPR amendment, Water Use License Application and EIA scoping documentation for Goedehoop Block 20 mining reserve – Mpumalanga – Anglo Coal – 2005, 2006

Specialist surface water inputs for Goedgevonden Colliery EMPR – Mpumalanga – Xstrata Coal – 2005

Specialist surface water inputs for Western Complex Mines EMPRs – Mpumalanga – Oryx Environmental Consultants – 2004 to 2005

Specialist surface water inputs for Elders Mine EMPR – Mpumalanga – Anglo Coal – 2003

Specialist surface water inputs for Middelburg Mine EMPR – Mpumalanga – BHP Billiton – 2002

Specialist surface water inputs for Douglas Colliery EMPR – Mpumalanga – BHP Billiton – 2002

Specialist surface water inputs to Environmental Impact and Feasibility studies for the Murowa Diamond Project – Zimbabwe – Rio Tinto – 2000

Landfill Co-disposal Ratio Modelling

Ongoing co-disposal ratio modelling and occasional specialist input to water management issues at various Enviroserv H:H and H:h hazardous waste landfill sites – Holfontein, Shongweni, Fissershok, Aloes – Enviroserv – 1999 to present

Ongoing co-disposal ratio modelling and occasional specialist input to water management issues at Bulbul H:h hazardous waste site – Durban – Waste Services – 1998 to present

Ongoing co-disposal ratio modelling at Rietfontein general waste site – Springs – Environmental and Chemical Consultants; Environmental Risk Management – 2000 to present

Rehabilitation

Design and construction of remedial measures to water ingress at Grootvlei Mine West Pit – Springs – Petrex – 2004 to present

Rehabilitation design for defunct Arbor Colliery – Mpumalanga – Department of Water Affairs and Forestry – 2005

Preliminary investigation of defunct opencast mine pits at Ou Kopermyn, Zondagsvlei, Arbor and Hillside Collieries for rehabilitation – Mpumalanga – Department of Water Affairs and Forestry – 2003

Involvement in design of rehabilitation works for Vaal and Klip waste sites – Vereeniging – Mittal Steel – 2004 to present

Design and construction of rehabilitation works for defunct fertilizer dams at Venco Park – Sasolburg – Sasol – 2000

Lecturing

Lecturer, post graduate course “Environmental Monitoring” – University of the Witwatersrand, 2004

External Examiner, MSc project report “Closure of tailings facilities: Current practice review and guidelines for success” – University of the Witwatersrand, 2004

Summary of other Experience / Publications

PALMER, WAYGOOD, LEA	2006	Case study on the remediation of water ingress to old gold workings linked to active mining areas in South Africa. Presented at the 7th International Conference on Acid Rock Drainage, St. Louis, Missouri, 2006.
WAYGOOD, PALMER, SCHWAB	2006	Case study on the remediation of the defunct coal mine, Arbor Colliery, in Mpumalanga, South Africa. Presented at the 7th International Conference on Acid Rock Drainage, St. Louis, Missouri, 2006.

SHAMROCK, PALMER, HAVINGA, FOURIE	2004	The use of field capacity testing of waste streams as a management tool for co-disposal landfill sites. Presented at Wastecon 2004, International Waste Management Congress and Exhibition, Sun City, South Africa, 2004.
FOURIE, PALMER	2001	Uncertainties in extraction of contaminants from unsaturated soil samples. Presented at the International Waste Management and Landfill Symposium, Sardinia, 2001.
WAYGOOD, PALMER	2001	Insitu capping of fertiliser waste, a case study. Presented at the Fourth Conference on Environmental Engineering, South Africa, 2001.
SHAMROCK, PALMER, GOMBAULT	2000	The development of models for liquid management and their practical application on co-disposal landfills. Presented at the Wastecon 2000 Conference, Somerset West, South Africa, 2000.
PALMER, WAYGOOD, SHAMROCK	1999	A review of the co-disposal ratio calculations in the new Minimum Requirements for solid to liquid waste in landfills. Presented at the Third Conference on Environmental Engineering, Kwa Maritane, South Africa, 1999.
JAMES, COMNINOS, PALMER	1999	Effects of slope and step size on the hydraulics of stepped chutes. Journal of the South African Institution of Civil Engineering, V41 No 2, 1999.

Declaration

I confirm that the above CV is an accurate description of my experience and qualifications and that, at the time of signature, I am available and willing to serve in the position indicated for me in the Proposal, for the duration and at the locations indicated therein.



Signature of Staff Member

9 January 2007

Date

Dieter Kassier

Curriculum Vitae

PERSONAL DETAILS

Name: Dieter Kassier
Date of Birth: 15 September 1981
Place of Birth: Pietermaritzburg, South Africa
Citizenship: South Africa
ID Number: 810915 5128 086
Marital status: Married
Areas of Expertise: Wetland delineation, assessment and impact assessments.
Position in Firm: Wetland Specialist

CONTACT INFORMATION - WORK

Room S157, Building 33
CSIR, Meiring Naude Rd.
Brummeria, Pretoria
Cell: 082 370 6982
Phone: (012) 349 2699
Fax: (012) 349 2993
Email: dieterk@wetcs.co.za

EMPLOYMENT

February 2007 – Present

Wetland Consulting Services, Pretoria, South Africa

Current duties include:

- Undertaking of detailed wetland delineations and impact assessments as part of EIA's for a wide range of projects including coal mining, gold mining, chrome mining, electricity infrastructure, housing developments and transport infrastructure.
- Compilation of the wetland section for municipal Environmental Management Frameworks.
- GIS work (desktop delineations, compilation of maps, analysis of data etc.)

November 2006 – February 2007

WSP Environmental, Bryanston, South Africa

Position: Junior Environmental Consultant

- Assisting in the compilation of Basic Assessment reports.

- Public Participation Processes
- Assisting in Environmental Performance Audits
- Collection of water samples

April 2001 – June 2006

Makutsi Safari Farm

Karongwe Game Reserve, Hoedspruit, South Africa

Position: Field Guide/Game Ranger

- Conducting of game drives & walks, Kruger National Park tours, Blyde River Canyon tours, KZN & Swaziland tours, cultural tours etc. for international tourists (Germany, USA and Australia)
- Hosting of international guests at the lodge
- Logistics planning
- Assisting in the day to day running and management of the reserve
- Assisting the research team on the reserve – tracking and recording of game

EDUCATION

2006 - BSc. Environmental Management, UNISA, South Africa

2004 – FGASA Trails Guide

1999 – Matriculated (IEB) with Exemption from Hermannsburg School, Greytown, South Africa.

PROJECT HISTORY

Some of the projects completed while in the employ of Wetland Consulting Services include:

- Brandspruit Mine, Impumelelo Shaft and Conveyor – wetland delineation and impact assessment for a proposed coal mine and associated infrastructure near Secunda, Mpumalanga (18 000ha study area)
- TCSA Dorstfontein Coal Mine – wetland delineation and impact assessments for various proposed expansions to the Dorstfontein Coal Mine near Kriel (Ga-Nala), Mpumalanga
- Steve Bikoville School – baseline environmental assessment for the proposed Steve Bikoville School near Hammanskraal, Gauteng
- Nelspruit Ring Road – wetland delineation and impact assessment for the N4 Nelspruit Bypass, Nelspruit, Mpumalanga
- Mine Waste Solutions: Re-working of Tailings Dams – wetland delineation and impact assessment for the re-working of several tailings dams near Stilfontein, North-West
- Goedgevonden Mine – quarterly monitoring report for the Goedgevonden river diversions, Mpumalanga, South Africa
- City of Johannesburg (COJ) – desktop delineation for, and assisting in the compilation of, the COJ wetland and riparian protection and management plan, Gauteng, South Africa

Environmental and Health Risk Consulting (Pty) Ltd.

Reg No: 2001/020430/07
VAT No: 4600198735

Physical Address: 180 Doreen Street, Colbyn, 0083
Postal Address: PO Box 12832, Hatfield, 0028
Tel: 0861 430 585
Fax: 088 012 342 0401
E-mail: info@ehrcon.com
Website: www.ehrcon.com



RESUMÉ OF UNO NEVELING

QUALIFICATION

BSc. (1997), BSc. Hons (1998) and MSc. *Cum Laude* (1999) in Industrial Physiology from the Potchefstroom University for Christian Higher Education

Member of the South African Institute for Occupational Hygienists (SAIOH)

EMPLOYMENT HISTORY

Occupational Hygiene and Environmental Management Consultant with POLTECH (Pty) Ltd from December 1999 to December 2001.

Founded Environmental and Health Risk Consulting (Pty) Ltd in January 2002 and acts as Managing Director of the company.

PROJECTS

Bombela Civils Joint Venture
Monitoring and modelling of air quality impact associated with the construction of the Gautrain Rapid Rail Link.
(September 2006 to present)

Murray & Roberts
Monitoring and modelling of air quality impact associated with the construction of the Medupi Power Station.
(June 2010 to present)

Foskor Phalaborwa
Air quality management inclusive of inventory development, monitoring, modelling and public participation.
(July 2003 to present)

Trans African Concessions
Air quality monitoring for the N4 highway concessionaire.
(July 2005 to present)



SASOL

Air quality management inclusive of inventory development, monitoring and modelling at Sasol Nitro in Phalaborwa.
(November 2006 to 2009)

RIO TINTO Palabora Mining Company
Ambient air quality impact monitoring.
(July 2009 to present)

Total South Africa
Ambient air quality impact monitoring at numerous depots across Southern Africa.
(2006)

Xstrata Alloys
Ambient air quality impact monitoring at the Lydenburg Works.
(1999 to 2006)

Quarries
Air quality management inclusive of inventory development, monitoring and modelling at more than 50 quarries during the past 5 years.

Environmental Impact Assessment
In excess of 100 air quality impact assessment reports for new mining, industrial and residential developments since 2001.

Process emission monitoring
Extensive knowledge of power generation processes, galvanising, chemical, chrome and the paper-and-pulp industry.

Ambient monitoring
Operation of five ambient PM₁₀ and 120 dust deposition monitors on a permanent basis.

KEY PROJECTS FOR THE LAST TWELVE MONTHS

Air quality and noise impact investigations for Sefateng Chrome Mining pertaining to the utilisation of chromitite reserves on the farms Zwartkoppies 413KS and Waterkop 113KT in the Greater Sekhukhune District Municipality of the Limpopo Province.

Air quality and noise impact investigations for Zululand Anthracite Colliery pertaining to the utilisation of anthracite reserves near Ulundi in the Zululand District Municipality of the Kwazulu Natal Province.

Environmental noise impact investigation pertaining to the recovery of uranium by Harmony Gold Mining Company from its operations in the Free State Province.

Air quality and noise impact investigations pertaining to the utilisation of coal reserves by Sasol Mining: Secunda Complex in the Mpumalanga Province.



Air quality and noise impact investigations pertaining to the utilisation of coal reserves by Xstrata Coal South Africa: Duiker Mining near the town of Ogies in the Mpumalanga Province.

Air quality and noise impact investigations for Xstrata Eastern Mines pertaining to the utilisation of chromitite reserves on the farm Thorncliffe 374KT in the Greater Tubatse Local Municipality.

Air quality and noise impact investigations pertaining to the Tweefontein Optimization Project of Xstrata Coal South Africa: Duiker Mining near the town of Ogies in the Mpumalanga Province.

Air quality impact investigation pertaining to operations of Foskor during Phase I and III of the proposed Pyroxenite Expansion Project on the Farm Loole 31 LU, Ba-Phalaborwa Local Municipality, Limpopo Province.

Air quality and noise impact investigations for Stuart Coal pertaining to the utilisation of coal reserves near Delmas.

Air quality and noise impact investigations for Northern Coal pertaining to the utilisation of coal reserves near Ermelo.



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E-mail: morne@menco.co.za

Morné de Jager

Personal Data

Identity Number	711221 5062 080
Date of Birth	21 December 1971
Sex	Male
Marital Status	Married, three children
Driver's license	Code 08
Nationality	South African
Home Language	Afrikaans (speak, read and write)
Other Languages	English (speak, read and write)
Higher Educational Qualifications	B.Eng (Chemical Engineering) [Pretoria University]
Previous Employment	Wates Meiring and Barnard Department of Water Affairs and Forestry
Current Employment	M2 Environmental Connections

Short Resumé

Morné started his career in the mining industry as a bursar Learner Official (JCI, Randfontein), working in the mining industry, doing various mining related courses (Rock Mechanics, Surveying, Sampling, Safety and Health (Ventilation, noise, illumination etc), Safety and Health and Metallurgy. He did work in both underground (Coal, Gold and Platinum) as well as opencast (Coal). He changed courses from Mining Engineering to Chemical Engineering after his second year of his studies at the University of Pretoria.

After graduation he worked as a Water Pollution Control Officer at the Department of Water Affairs and Forestry for two years (first year seconded from Wates, Meiring and Barnard), where duties included the perusal (evaluation, commenting and recommendation) of various regulatory required documents (such as EMPR's, Water Licence Applications and EIA's), as well as the compilation of Technical Documents.

Since leaving the Department of Water Affairs, Morné has been in private consulting for the last 10 years, managing various projects for the mining and industrial sector, private developers, business, other environmental consulting firms as well as the Department of Water Affairs. During that period he has been involved in various projects, either as specialist, consultant, trainer or project manager, successfully completing these projects within budget and timeframe.

He has been interested in acoustics as from school days, doing projects mainly related to loudspeaker design. Interest in the matter brought him into the field of Environmental Noise Measurement, Prediction and Control. He has been doing work in this field for the past 5 years, and was involved with the following projects in the last two years:

Project Experience (only last two years)¹

Upington Solar Thermal Facility	<i>Noise Impact Assessment for Scoping purposes for the establishment of the Upington Solar Thermal Facility</i>
Landau Expansion – AngloCoal	<i>Noise Impact Assessment for the proposed Landau Expansion Project</i>
Project Ilanga - Ilangalethu Solar Power (Pty) Ltd	<i>Noise Impact Assessment for Scoping for the Project Ilanga Solar Thermal Power Plant near Upington, Northern Cape</i>
Rainmaker Energy Projects – AB Wind Energy Facility	<i>Noise Impact Assessment for the AB Wind Energy Facility near Indwe</i>
Otjikoto Gold – AurexGold	<i>Noise Impact Assessment for the proposed Otjikoto Gold Mine near Otavi</i>
West Coast Wind Energy Facility - Exxaro Resources Limited	<i>Noise Impact Assessment for the West Coast Wind Energy Facility near Namakwa Sands</i>
Rainmaker Energy Projects – Dorper Wind Energy Facility	<i>Noise Impact Assessment for the Dorper Wind Energy Facility near Molteno</i>
Gouda Wind Energy Facility - VentuSA Energy	<i>Noise Impact Assessment for the Gouda Wind Energy Facility near Gouda</i>
Pofadder Solar Thermal Facility – Abengoa Solar South Africa	<i>Noise Impact Assessment for Scoping purposes for the establishment of the Pofadder Solar Thermal Facility</i>
Noise Impact Assessment – Tweefontein Colliery	<i>Noise Impact Modelling for new proposed expansion of coal mine. Including mitigation measures.</i>
Klipfontein Colliery – Hoyoyhoyo Mining	<i>Noise Impact Assessment for EIA for the establishment of the Klipfontein Colliery</i>
Imbabala Colliery – Alpha Coal	<i>Noise Impact Assessment for EIA for the update of the EMPR of Imbabala Colliery</i>
ATCOM East Expansion - X-Strata Coal	<i>Noise impact assessment for the proposed expansion at ATCOM</i>
Amakhala Emoyeni Wind Energy Facility Windlab Developments	<i>Noise Impact Assessment for the Amakhala Wind Energy Facility near Bedford</i>
Klipheuwel / Boontjekraal Wind Energy Facility - BioTherm Energy	<i>Noise Impact Assessment for the Klipheuwel / Boontjekraal Energy Facility near Caledon</i>
Department of Water Affairs: North-west – Integrated Monitoring	<i>Catchment Assessment, Gap Analysis, Design and Implementation of Integrated Chemical Water Monitoring Programme</i>
International Project Development Power (Pty) Ltd	<i>Noise Impact Assessment for Scoping: Proposed Saldanna Wind Energy Facility</i>
International Project Development Power (Pty) Ltd	<i>Noise Impact Assessment for Scoping: Proposed Velddrift Wind Energy Facility</i>
Cookhouse WEF - ACED	<i>Noise Impact Assessment for the proposed Wind Energy Facility (200 WTGs) near Cookhouse in the Eastern Cape</i>
Department of Water Affairs: North-west – Compliance and Enforcement	<i>Development of a Monitoring Report Framework, compilation of concept Integrated Water Use Licence</i>
Canyon Springs Investments 71 (Pty) Ltd	<i>Noise Impact Assessment for the proposed Canyon Springs Wind Energy Facility</i>
Rheboksfontein Wind Energy Facility – Moyeng Energy	<i>Noise Impact Assessment for the Rheboksfontein Wind Energy Facility near Darling (Scoping and EIA)</i>
West Coast One Wind Energy Facility – Moyeng Energy	<i>Noise Impact Assessment for the West Coast One Wind Energy Facility near Vredenburg (Scoping and EIA)</i>
Suurplaat Wind Energy Facility – Moyeng Energy	<i>Noise Impact Assessment for the Suurplaat Wind Energy Facility near Sutherland (Scoping and EIA)</i>
ACED – Noise Impact Assessment	<i>Scoping: Noise Impact Assessment for the proposed Wind Energy Facility (100 WTGs) near Middelburg in the Eastern Cape</i>
Uyekraal Wind Energy Facility - Creative-Renewable-Energy-Solutions (Pty) Ltd	<i>Noise impact assessment for scoping for the proposed Uyekraal wind energy facility near the town of Vredenburg, Western Cape</i>
Karoo Renewable Energy Facility - South African Renewable Green Energy (Pty) Ltd	<i>Noise impact assessment for scoping purposes for the proposed Karoo Renewable Energy Facility near Victoria West, Western and Northern Cape Provinces</i>
Kangra Coal – Environmental Management Resources (Pty) Ltd	<i>Noise Impact Assessment for the proposed Kangra Coal Colliery near Piet Retief</i>
Ruukki South Africa – Savannah Environmental (Pty) Ltd	<i>Noise Impact Assessment for Scoping: Proposed Ruukki Coal Fired Power Station near Ogies</i>

¹ For other projects refer to the website: <http://www.menco.co.za/current.html>

VERKORTE CURRICULUM VITAE: DR JULIUS CC PISTORIUS

1 PERSOONLIKE BESONDERHEDE

Van: PISTORIUS
Voorname: JULIUS CORNELIUS CHRISTIAAN
Datum/plek van geboorte: 27 Mei 1954, Vereeniging
ID nommer: 5405275035000
Geslag: Manlik
Afhanklikes: 3 kinders
Huidige betrekking: Senior Lektor
Burgerskap: RSA Burger
Werksadres/telnr: Departement Antropologie en Argeologie
Universiteit van Pretoria
Pretoria 0002
Telefoon en fax (012) 4203526/4202698
Huisadres/telnr: Rosemarystr 352
Lynnwood
Pretoria 0081
Telefoon en fax (012) 3485668
e-pos adres: jpistori@postino.up.ac.za (werk)
juliuscc@freemail.absa.co.za (huis)

2 STUDIEREKORD

Hoërskool: Transvalia Hoërskool Vanderbijlpark, 1971

Afrikaans(HG)	Biologie (HG)
Engels(HG)	Wetenskap(HG)
Wiskunde(HG)	Geskiedenis(HG)

Universiteit:

BA Sielkunde, Volkekunde, Argeologie Universiteit van Pretoria 1976

BA (Hons) Argeologie (met lof)	Universiteit van Pretoria 1979
Nagraadse Dipl in Museumkunde	Universiteit van Pretoria 1981
MA Argeologie (met lof)	Universiteit van Pretoria 1985
D.Phil Argeologie	Universiteit van Pretoria 1989

3 NAVORSING, PUBLIKASIES EN KONSULTASIEWERK (sien publikasielys)

3.1 Argeoloog en navorser

Sedert 1980: Laat Ystertydperk streekopname en opgrawings in Batswana domeine in die Rustenburg- en die Britsdistrikte. Karteer honderd Laat Ystertydperkterreine tussen Rustenburg en Brits. Onderneem uitgebreide opgrawings van 10 terreine. Belangrikste opgrawings sluit in die megakomplekse van Molokwane en Boitsêmagano bewoon deur die Bamodimosana stamryke, 'n Matabeleterreinkompleks van Mzilikazi noord van Rustenburg, Makgope en Malle van die Bakwena Bamogale en/of die Bamôgôpa, die bergvestigings van Mmatshetshela, Masetlhaneng, en Mabjanamatshwana van die Bakgatla van Bamakau/Bamotsha.

Sedert 1983: Laat Ystertydperk streekopname en opgrawings in Baphalaborwa invloedsefere in die Letabadistrik van die Laeveld. Karteer nagenoeg 60 Laat Ystertydperkterreine rondom Phalaborwa. Doen uitgebreide opgrawings van 11 terreine. Opgrawings sluit in Môdimolle, begraafplaas van koninginne van die Bamalatji, Shankare met 'n duisend jaar oue koperbewerkingstradisie, Serotwe die kapteinsterrein van die Masêkê-Malatji, Sebatini van die Nkwane, Selongwe, Mapotini en Marupale van die Mahlunwane-Shangaan handelaars.

Sedert 1996: Argeologiese soektogte na Matabeleterreine (Ndebeleterreine) van Mzilikazi wat die Sentrale Bankeveld tussen ca. 1827 en 1832 bewoon het. Ontdek vier woonterreine tussen Rustenburg en Pretoria, naamlik enDinaneni, enKungwini, emHlalandlela en 'n onbekende terrein noord van Rustenburg. Die onbekende Rustenburg Matabeleterrein was geskilder deur Charles Bell in 1835 en emHlalandlela deur Cornwallis Harris in 1836.

Sedert 1999: Laat Ystertydperk streekopname en opgrawings in die KoNomthjarhelo invloedseer van die Ndzundza-Ndebele in Roosenekal. Karteer nagenoeg 25 Laat Ystertydperk en historiese terreine rondom Erholweni (Mapochsgrotte). Een terrein opgegrawe. Die projek is in 'n aanvangstadium.

3.2 Kultureerfenisbestuurskonsultant

Middelaar tussen privaat ontwikkelaars en die Suid Afrikaanse Nasionale Erfenisraad sedert 1990. Onderneem navorsing en argeologiese invloedstudies in ooreenstemming met bepalings van die Wet op Nasionale Erfenishulpbronne, omgewingsbewaringswetgewing en mynbouwetgewing. Praktykskakeling gerig op reddingsargeologie en argeologiese (kultuur) erfenisbestuur.

Betrokke by argeologiese konsultasiewerk vir die granietmynbedryf sedert 1995. Groepkonsultant vir Kudu Graniet, Rustenburg Ganiet (Rustenburg distrik) en Marlin Graniet en Eagle Quarries (Roosenekal, Rustenburg en Brits). Ontwikkel, implementeer en hou argeologiese kultureerfenisbestuursprogramme in stand saam met omgewingsbestuurders van myne.

Implementeer argeologiese kultureerfenisbestuursprogramme vir Foskor, Palabora Mynmaatskappy en Fedmis in Phalaborwa in 1998.

Sedert 1999 betrokke saam met rolspelers soos die Departement van Kuns en Kultuur, die Mpumalanga regering, die graniet en magnetietmynbedryf in Roosenekal, die Suid Afrikaanse Nasionale Erfenisraad en die Ndzundza-Ndebelestamowerheid by die inwerkingstelling van 'n volhoubare kultuurhulpbronontwikkelingsprojek by Erholweni (die Mapochsgrotte) in Roosenekal.

3.3 Publikasies

Een boek oor die etno-argeologie van 'n Tswanastam (geborg deur die Gencor Ontwikkelingstrust)

Een gids oor kultuurefenisbestuurbeginsels vir ontwikkelaars (ingenieurs- en boubedryf, myne, pad- en dambouers, korporasies, ens) in Suid Afrika (geborg deur Eskom)

20 geakkrediteerde artikels in vier vaktydskrifte.

±130 kontrak en ongepubliseerde navorsingsverslae

17 populêre publikasies

4 VAK EN PROFESSIONELE VERENIGINGS

4.1 Vakverenigings

Sedert 1980 lid van die Suid Afrikaanse Argeologiese Vereniging.

Gedurende 1984 en 1985 en gedurende 1994 en 1995 bestuurslid van die Suid Afrikaanse Argeologiese Vereniging (Gauteng Streek).

Lid van die Suid Afrikaanse Vereniging van Kulturele Antropoloe (1985-2001).

Sedert 1995 lid van die Pan African Congress of Prehistory and Related Studies.

Sedert 1996 tot 2001 raadgewende redakteur vir die Suid Afrikaanse Tydskrif vir Etnologie

4.2 Professionele verenigings

Sedert 1993 lid van die Suid Afrikaanse Vereniging vir Argeoloë en lid van die Afdeling Kultuurhulpbronbestuur binne die vereniging.

Abridged CV
MARTINUS PETRUS DE WIT
1 Apr 2011

Personal:

Surname	de Wit
First names	Martinus Petrus
Work address	De Wit Sustainable Options Pty Ltd PO Box 546 Brackenfell 7561 South Africa
Telephone	+27 (0) 21 982 7862 (w) +27 (0) 84 556 3366 (mobile)
Email	martin@sustainableoptions.co.za
Blog	http://sustoptions.blogspot.com
URL	http://www.linkedin.com/in/martindewit
Twitter	africaeconomist
Date and place of birth	25 February 1972, Pretoria

Biographical sketch:

Prof. Martin de Wit has a Doctor Commerci degree in economics, and specialises in managing the risks of and finding solutions to environmental problems. He is committed to excellence as evident by winning the CSIR's Young Scientist Award in 2003. Martin has chosen the entrepreneurial route in the knowledge market, and was co-responsible for starting, growing and managing a successful business unit within the CSIR focussed on applied environmental and resource economics between 2001 and 2004. He has since started his own advisory firm, De Wit Sustainable Options (Pty) Ltd in 2005, and with its global network-based approach ensures cutting-edge thinking and flexibility in the new and rapidly changing world of economics and environmental management. Martin has been appointed extraordinary associate professor at the School of Public Leadership at the University of Stellenbosch as from 2007, and co-edited two books namely *Sustainable Options. Development lessons from Applied Environmental Economics* and *The Political Economy of Natural Resource Wealth in South Africa*. Martin serves as a director on ASSET Research (Pty) Ltd, a not for profit organisation, focussed on research and capacity building in ecological and development economics. He has a wide interest in national and international affairs and consulted to a wide range of clients including national and provincial governments, corporate business, non government organizations, and universities, working in several countries including South Africa, China, Portugal, Germany, the Netherlands, United States, Namibia and Mozambique.

Professional preparation:

Doctor Commercii, University of Pretoria, 2001
Magister (Doctorandus), Rijksuniversiteit Groningen (RuG), 1995

Honours, University of Stellenbosch, 1994
Baccalaureus Commerci, cum laude, University of Pretoria, 1992

Professional societies:

World Future Society
Institute of Directors
Association for Reformational Philosophy

Work experience:

De Wit Sustainable Options (Pty) Ltd	Apr 2005 -
ASSET Research	Apr 2006 -
CSIR, Principal Environmental Economist/Business Area Manager	Jan 1998 – Mar 2005
South African Reserve Bank, Capital Markets	Jan 1996 - Dec 1997

Key Activities:

- Applied environmental and resource economics (ERE), monetary valuation of environmental impacts and extended social cost-benefit analysis;
- Experience in systems dynamics modeling and financial modeling
- Experience in socio-economic analysis of alternative land use options, raw materials and energy projects: coal mining, gas extraction;
- Experience in environmental economic policy analysis, policy development and policy instruments: clean development mechanism, joint implementation, environmental taxation, macroeconomics and sustainable development, marketable permits, integrated economic-environmental indicators;
- Experience on economic analysis of pollution and waste projects: air, waste water, noise and visual pollution;
- Experience on project evaluation: transport infrastructure, waste-water treatment;
- Experience on economic analysis of life support systems: biological control of alien invasive species, global climate change, marine and coastal systems.

Awards:

2004	CSIR, Environmentek – Short-listed for best publication award
2003	CSIR – Young Professional Award
2003	CSIR, Environmentek – Young Scientist Award
2003	CSIR, Environmentek – Short-listed for best-publication award
2001	CSIR, Environmentek - Outstanding contribution to the programme
1987- 89	Wonderboom High School - Academic colours

Outputs:

Peer reviewed books, book chapters and journal publications (42); Popular articles (3); Research and client reports (111); Presentations at workshops, colloquiums, conferences and lectures (57).

APPENDIX 3.2(A)
I&AP DATABASE

Land Owners within Mining Rights area
Land Owners (Farms) adjacent to the Mining Rights area

I&Aps (contact person)	Business	N/S Block	Farms	Portions	Tel	Fax	Cell	Email	Postal Address
Ambrosius, Wynand		S	De Pan 615 IR				082 855 9516		Po Box 453 Greylingstad 2415
Anderson, Hendrik J		S	<i>Klipfontein 621 IR</i>	5					
Badenhorst, H		N	Wolventfontein 534 IR	2	017 712 1190		083 961 9824		
Bierman, Gerhard	Bronco Boerderye	N	<i>Paardefontein 584 IR</i>	7	017 702 3108	017 702 3108		bonsmanskran@webmail.co.za	Posbus 73 Val 2425
Bierman, Gerhard	Bronco Boerderye	N	<i>Paardefontein 584 IR</i>	18	017 702 3108	017 702 3108		bonsmanskran@webmail.co.za	Posbus 73 Val 2425
Bierman, Gerhard	Bronco Boerderye	N	<i>Platkop 543 IR</i>	0	017 702 3108	017 702 3108		bonsmanskran@webmail.co.za	Posbus 73 Val 2425
Bierman, Gerhard	Bronco Boerderye	N	Witnek 581 IR	7	017 702 3108	017 702 3108		bonsmanskran@webmail.co.za	Posbus 73 Val 2425
Bierman, Gerhard	Bronco Boerderye	N	Witnek 581 IR	10	017 702 3108	017 702 3108		bonsmanskran@webmail.co.za	Posbus 73 Val 2425
Bierman, Gerhard	Bronco Boerderye	N	Platkop 543 IR	2	017 702 3108	017 702 3108		bonsmanskran@webmail.co.za	Posbus 73 Val 2425
Bonsma, Herman	RF Bonsmaras/	N	Hartbeestfontein 522 IR	31	011 954 0822	0866 637 7095	082 808 4714	hbonsma@afgi.co.za	Postnet Suite 127 Privaatsak X3 Paardekraal 1752
Botha, Moses	Gibson JGH	N	Holgatsfontein 535 IR	15	017 702 3155	017 778 0241	083 961 8707		
Botha, Moses	Moses Botha F T	N	Carmona 536 IR	0	017 702 3155	017 778 0241	083 961 8707		
Botha, Moses	Moses Botha F T	N	Hartbeestkuil 537 IR	5	017 702 3155	017 778 0241	083 961 8707		
Botha, Moses	Moses Botha F T	N	Hartbeestkuil 537 IR	6	017 702 3155	017 778 0241	083 961 8707		
Botha, Moses	Moses Botha F T	N	Hartbeestkuil 537 IR	7	017 702 3155	017 778 0241	083 961 8707		
Botha, Moses	Moses Botha F T	N	Hartbeestkuil 537 IR	8	017 702 3155	017 778 0241	083 961 8707		
Botha, Moses	Moses Botha F T	N	Hartbeestkuil 537 IR	9	017 702 3155	017 778 0241	083 961 8707		
Botha, Moses	Moses Botha F T	N	Hartbeestkuil 537 IR	19	017 702 3155	017 778 0241	083 961 8707		
Botha, Moses	Moses Botha F T	N	Hartbeestkuil 537 IR	20	017 702 3155	017 778 0241	083 961 8707		
Botha, Moses	Moses Botha F T	N	Klipdrift 324 IS	0	017 702 3155	017 778 0241	083 961 8707		
Botha, Moses	Moses Botha F T	N	Klipdrift 324 IS	1	017 702 3155	017 778 0241	083 961 8707		
Botha, Moses	Moses Botha F T	N	Klipdrift 324 IS	2	017 702 3155	017 778 0241	083 961 8707		
Botha, Moses	Moses Botha F T	N	Paardefontein 584 IR	21	017 702 3155	017 778 0241	083 961 8707		
Botha, Moses	Moses Botha F T	N	Paardekuil 583 IR	0	017 702 3155	017 778 0241	083 961 8707		
Botha, Moses	Moses Botha F T	N	Platkop 543 IR	10	017 702 3155	017 778 0241	083 961 8707		
Botha, Moses (cont)	lenell cc	N	Holgatsfontein 535 IR	6	017 702 3155	017 778 0241	083 961 8707		
Botha, Moses (cont)	Dyk Boerdery	N	Platkop 543 IR	11	017 702 3155	017 778 0241	083 961 8707		
Bothma, G H P		N	Hartbeestfontein 522 IR	10	017 778 9027	017 778 9027	082 771 4267	gert.bothma@vodamail.co.za	posbus 91 greylingstad 2415
Bothma, G H P		N	Hartbeestfontein 522 IR	11	017 778 9027	017 778 9027	082 771 4267	gert.bothma@vodamail.co.za	posbus 91 greylingstad 2415
Bothma, G H P		N	Hartbeestfontein 522 IR	19	017 778 9027	017 778 9027	082 771 4267	gert.bothma@vodamail.co.za	posbus 91 greylingstad 2415
Bothma, G H P		N	Hartbeestfontein 522 IR	22	017 778 9027	017 778 9027	082 771 4267	gert.bothma@vodamail.co.za	posbus 91 greylingstad 2415
Bothma, G H P		N	Hartbeestfontein 522 IR	24	017 778 9027	017 778 9027	082 771 4267	gert.bothma@vodamail.co.za	posbus 91 greylingstad 2415
Bothma, Johan	Leeuwkraal Eiend	N	<i>Leeuwkraal 517 IR</i>	1		016 342 1803	082 557 5593		PO Box 220 Balfour 2410
Bothma, Johan	Leeuwkraal Eiend	N	Hartbeestfontein 522 IR	1		016 342 1803	082 557 5593		PO Box 220 Balfour 2410
Bowker, Rodney Miles		S	<i>Poorfiesfontein 398 IS</i>	2	017 7013214		083 306 7029		PO Box 895 Standerton 2430
Britz, Ben		N	Wetievreden 580 IR	10R	017 702 3129	082 273 5003			Posbus 68 Val 2425
Britz, Ben		N	Wetievreden 580 IR	22	017 702 3129	082 273 5003			Posbus 68 Val 2425
Britz, Ben		S	Witnek 581 IR	8	017 702 3129	082 273 5003			Posbus 68 Val 2425
Calitz, Danie	potvallei Boerdery	S	Grootpan 592 IR	1		086 690 4489	083 382 3994		Posbus 268 Greylingstad 2415

Klopper, Lucas	Reppok F T	N	Wolventfontein 534 IR	16	017 702 3128	017 702 3149	082 433 7726	lucasklopper@mweb.co.za	PO Box 578 Evander 2280
Kotze JH		N	Holgatsfontein 535 IR	16	017 702 3104	017 702 3104	082 387 6518	j.h.kotze@yahoo.com	Posbus 39 Greylingstad 2415
Kotze JH		N	Holgatsfontein 535 IR	18	017 702 3104	017 702 3104	082 387 6518	j.h.kotze@yahoo.com	Posbus 39 Greylingstad 2415
Kotze JH		N	Holgatsfontein 535 IR	19	017 702 3104	017 702 3104	082 387 6518	j.h.kotze@yahoo.com	Posbus 39 Greylingstad 2415
Kotze JH		N	Holgatsfontein 535 IR	20	017 702 3104	017 702 3104	082 387 6518	j.h.kotze@yahoo.com	Posbus 39 Greylingstad 2415
Kotze JH		N	Holgatsfontein 535 IR	22	017 702 3104	017 702 3104	082 387 6518	j.h.kotze@yahoo.com	Posbus 39 Greylingstad 2415
Kotze JH		N	Holgatsfontein 535 IR	14	017 702 3104	017 702 3104	082 387 6518	j.h.kotze@yahoo.com	Posbus 39 Greylingstad 2415
Kruger, Albertus JA		S	Groenvley 590 IR	4					
Kruger, Albertus JA		S	Groenvley 590 IR	8					
Kruger, Albertus JA		S	Groenvley 590 IR	10					
Kruger, Martha EA		S	Groenvley 590 IR	9					
Kruger, Pik		S	Groenvlei	1			825514036		Posbus 5 Val 2425
Lamplough, Pamela	Cullinan PML	S	Oudehoulspruit 586 IR	0	Town of Val				
Kotze JH		N	Holgatsfontein 535 IR	2	017 702 3104	017 702 3104	082 387 6518	j.h.kotze@yahoo.com	Posbus 39 Greylingstad 2415
Kotze JH		N	Holgatsfontein 535 IR	1	017 702 3104	017 702 3104	082 387 6518	j.h.kotze@yahoo.com	Posbus 39 Greylingstad 2415
Kotze JH		N	Leeuwkraal 517 IR	8	017 702 3104	017 702 3104	082 387 6518	j.h.kotze@yahoo.com	Posbus 39 Greylingstad 2415
Lawrence, Anthony	Anthony Lawrence	S	Grootpan 591 IR	4	017 778 9052	017 778 9052	082 213 3722	nolawrence@telkomsa.net	PO Box 16 Greylingstad 2415
Lawrence, Anthony	Anthony Lawrence	S	Vogelstruisfontein 593 IR	1	017 778 9052	017 778 9052	082 213 3722	nolawrence@telkomsa.net	PO Box 16 Greylingstad 2415
le Roux, Francois, J		S	Wetvreden 580 IR	12					
Lemmer, DCW		N	Leeuwkraal 517 IR	7					
Lourens, Chris-An	Chris-An Lourens	N	Hartheesfontein 522 IR	5					
Louwrens, Koos	HJP Louwrens Bek	N	Kaalspruit 528 IR	0	017 689 1807	017 689 1807	082 555 5774		PO Box 230 Leslie 2285
Louwrens, Koos	HJP Louwrens Bek	N	Kaalspruit 528 IR	2	017 689 1807	017 689 1807	082 555 5774		PO Box 230 Leslie 2285
Malan, Johannes Rouseau		N	Syferfontein 326 IS	11					
Mertzi, MJ		N	Hartheesfontein 522 IR	27					
Moolman, Christo		S	Grootpan 592 IR	2			082 705 9705		
Moolman, Herman		S	Grootpan 592 IR	0			082 559 8416		
Moolman, Herman		S	Grootpan 592 IR	5			082 559 8416		
Moolman, Maria M		S	Grootpan 591 IR	7					
Moolman, Theuns		S	Hartheesdraai				083 655 0493		
Nel, Louwrens M		S	Drukfontein 613 IR	6					
Nel, Louwrens M		S	Drukfontein 613 IR	7					
Peirce, JY		N	Mahemsfontein 544 IR	5	017 778 9001				
Peirce, MV		N	Mahemsfontein 544 IR	6					
Pieterse, Nico	Damspruit Boerderij	N	Syferfontein 326 IS	11			082 853 1525		PO Box 781 Standerton 2430
Pistorius, Tinus	M&C Boerdery Tru	N	Kaalspruit 528 IR	13	011 819 3374	011 819 1257	082 789 2405	tinuspistorius@absomail.co.za	PO Box 295 Nigel 1490
Pistorius, Tinus	M&C Boerdery Tru	N	Boschmansfontein 523 IR	13	011 819 3374	011 819 1257	082 789 2405	tinuspistorius@absomail.co.za	PO Box 295 Nigel 1490
Pistorius, Willem	Wilzak Trust	N&S	Paardefontein 584 IR	9	017 702 3033	017 702 3033	82 4132 083 630 8090		PO Box 599 Greylingstad 2415
Pistorius, Willem	Wilzak Trust	S	Paardefontein 584 IR	20	017 702 3033	017 702 3033	82 4132 083 630 8090		PO Box 599 Greylingstad 2415
Pistorius, Willem	Wilzak Trust	S	Vogelstruisfontein 593 IR	3	017 702 3033	017 702 3033	82 4132 083 630 8090		PO Box 599 Greylingstad 2415
Pistorius, Willem	Wilzak Trust	S	Vogelstruisfontein 593 IR	7	017 702 3033	017 702 3033	82 4132 083 630 8090		PO Box 599 Greylingstad 2415
Pistorius, Willem		N	Paardefontein 584 IR	1	017 702 3033	017 702 3033	82 4132 083 630 8090		PO Box 599 Greylingstad 2415
Pistorius, Willem		N	Paardefontein 584 IR	3	017 702 3033	017 702 3033	82 4132 083 630 8090		PO Box 599 Greylingstad 2415
Pistorius, Willem		N	Paardefontein 584 IR	4	017 702 3033	017 702 3033	82 4132 083 630 8090		PO Box 599 Greylingstad 2415
Pistorius, Willem		N	Paardefontein 584 IR	13	017 702 3033	017 702 3033	82 4132 083 630 8090		PO Box 599 Greylingstad 2415
Pistorius, Willem		S	Paardefontein 584 IR	16	017 702 3033	017 702 3033	82 4132 083 630 8090		PO Box 599 Greylingstad 2415
Riekert, Dirk	Ren Boerdery	S	de Pan 615 IR	0	017 701 3010	017 701 3010	082 466 7536	dwriekert@telkomsa.net	PO Box 599 Greylingstad 2415
Riekert, Dirk	Ren Boerdery	S	de Pan 615 IR	2	017 701 3010	017 701 3010	082 466 7536	dwriekert@telkomsa.net	PO Box 599 Greylingstad 2415

Riekert, Dirk	Ren Boerdery	S	de Pan 615 IR		14	017 701 3010	017 701 3010	082 466 7536	dwiekert@telkomsa.net		PO Box 30943 Braamfontein 2017
Riekert, Dirk	Ren Boerdery	S	de Pan 615 IR		15	017 701 3010	017 701 3010	082 466 7536	dwiekert@telkomsa.net		PO Box 30943 Braamfontein 2017
Shabangu, Thandiswa	Transnet Freight	S	Groenvley 589 IR		3	011 773 6725	011 773 6720				PO Box 30943 Braamfontein 2017
Shabangu, Thandiswa	Transnet Freight	S	Grootpan 581 IR		5	011 773 6725	011 773 6720				PO Box 30943 Braamfontein 2017
Shabangu, Thandiswa	Transnet Freight	S	Grootvley 579 IR		8	011 773 6725	011 773 6720				PO Box 30943 Braamfontein 2017
Shabangu, Thandiswa	Transnet Freight	S	Grootvley 579 IR		9	011 773 6725	011 773 6720				PO Box 30943 Braamfontein 2017
Shabangu, Thandiswa	Transnet Freight	S	Grootvley 579 IR		12	011 773 6725	011 773 6720				PO Box 30943 Braamfontein 2017
Shabangu, Thandiswa	Transnet Freight	S	Oudehoutspruit 586 IR		1	011 773 6725	011 773 6720				PO Box 30943 Braamfontein 2017
Shabangu, Thandiswa	Transnet Freight	S	Oudehoutspruit 586 IR		2	011 773 6725	011 773 6720				PO Box 30943 Braamfontein 2017
Shabangu, Thandiswa	Transnet Freight	S	Oudehoutspruit 586 IR		7	011 773 6725	011 773 6720				PO Box 30943 Braamfontein 2017
Shabangu, Thandiswa	Transnet Freight	S	Oudehoutspruit 586 IR		22	011 773 6725	011 773 6720				PO Box 30943 Braamfontein 2017
Shabangu, Thandiswa	Transnet Freight	S	Oudehoutspruit 586 IR		23	011 773 6725	011 773 6720				PO Box 30943 Braamfontein 2017
Smith JWJ (Christo)		N	Holgatsfontein 535 IR		7	017 702 3101	072 404 3159	082 896 1575			Posbus 63 Greylingstad 2415
Smith JWJ (Christo)		N	Holgatsfontein 535 IR		10	017 702 3101	072 404 3159	082 896 1575			Posbus 63 Greylingstad 2415
Smith JWJ (Christo)		N	Holgatsfontein 535 IR		12	017 702 3101	072 404 3159	082 896 1575			Posbus 63 Greylingstad 2415
Smith JWJ (Christo)		N	Holgatsfontein 535 IR		13	017 702 3101	072 404 3159	082 896 1575			Posbus 63 Greylingstad 2415
Smith, Hardus	Elardus Trust	N	Carmona 536 IR		1	017 702 3105	083 230 2721	082 230 2721			Posbus3180 Evander 2280
Smith, Hardus	Elardus Trust	N	Carmona 536 IR		3	017 702 3105	083 230 2721	082 230 2721			Posbus3180 Evander 2280
Smith, Vernon X	Elardus Trust	S	Mount Pleasant 594 IR		0	017 702 3105	083 230 2721	082 230 2721			Posbus3180 Evander 2280
Spies, Gerhard		N	Syferfontein 326 IS	00009							Zuurfontein 1912
Spies, Gerhard		N	Syferfontein 326 IS	00010							
Spies, L P A		N	Klipdrift 324 IS	8							
Spies, L P A		N	Kromdraai 325 IS	8							
Strydom, SA		N	Weltevreden 580 IR	24	012 658 5449	012 658 5449	082 922 5845				
Swanepoel, Pieter A		S	Elandslaagte 618 IR	10			083 440 1423				Po Box 3114 Standerton 2430
Badenhorst, H		N	Hartbeestkuil 537 IR	15	017 712 1190		083 951 9824				
Urquhart, AA		N	Kaalspruit 528 IR	6	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Kaalspruit 528 IR	9	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Raskop 677 IR	0	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Raskop 677 IR	1	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Raskop 677 IR	2	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Raskop 677 IR	3	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Raskop 677 IR	4	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Raskop 677 IR	5	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Raskop 677 IR	6	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Raskop 677 IR	7	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Raskop 677 IR	8	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Raskop 677 IR	9	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Raskop 677 IR	10	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Raskop 677 IR	12	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Raskop 677 IR	13	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Raskop 677 IR	14	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Raskop 677 IR	18	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Raskop 677 IR	19	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Raskop 677 IR	20	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Roodebank 323 IS	1	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Roodebank 323 IS	3	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Roodebank 323 IS	20	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280
Urquhart, AA		N	Strydbult 524 IR	0	017 689 1900	086 670 7427	082 574 3188		dionurquhart@mweb.co.za		Posbus 3181 Evander 2280

Urquhart, AA	N	Wolvenfontein 534 IR	1	017 689 1900	086 670 7427	082 574 3188	dionurquhart@mweb.co.za	Posbus 3181 Evander 2280
Urquhart, AA	N	Wolvenfontein 534 IR	3	017 689 1900	086 670 7427	082 574 3188	dionurquhart@mweb.co.za	Posbus 3181 Evander 2280
Urquhart, AA	N	Wolvenfontein 534 IR	4	017 689 1900	086 670 7427	082 574 3188	dionurquhart@mweb.co.za	Posbus 3181 Evander 2280
Urquhart, AA	N	Wolvenfontein 534 IR	6	017 689 1900	086 670 7427	082 574 3188	dionurquhart@mweb.co.za	Posbus 3181 Evander 2280
Urquhart, AA	N	Wolvenfontein 534 IR	8	017 689 1900	086 670 7427	082 574 3188	dionurquhart@mweb.co.za	Posbus 3181 Evander 2280
Urquhart, AA	N	Wolvenfontein 534 IR	14	017 689 1900	086 670 7427	082 574 3188	dionurquhart@mweb.co.za	Posbus 3181 Evander 2280
Urquhart, AA	N	Wolvenfontein 534 IR	15	017 689 1900	086 670 7427	082 574 3188	dionurquhart@mweb.co.za	Posbus 3181 Evander 2280
Urquhart, AA	N	Wolvenfontein 534 IR	17	017 689 1900	086 670 7427	082 574 3188	dionurquhart@mweb.co.za	Posbus 3181 Evander 2280
Urquhart, AA	N	Wolvenfontein 534 IR	19	017 689 1900	086 670 7427	082 574 3188	dionurquhart@mweb.co.za	Posbus 3181 Evander 2280
Urquhart, AA	N	Wolvenfontein 534 IR	20	017 689 1900	086 670 7427	082 574 3188	dionurquhart@mweb.co.za	Posbus 3181 Evander 2280
Urquhart, AA	N	Wolvenfontein 534 IR	21	017 689 1900	086 670 7427	082 574 3188	dionurquhart@mweb.co.za	Posbus 3181 Evander 2280
Urquhart, AA	N	Wolvenfontein 534 IR	22	017 689 1900	086 670 7427	082 574 3188	dionurquhart@mweb.co.za	Posbus 3181 Evander 2280
van der Merwe, JTP	N	Boschmansfontein 523 IR	1					
van Dyk, Frans	S	Drukfontein 613 IR	4	083 500 2005	086 512 1990	083 235 3523	fjdyk@webmail.co.za	
van Dyk, Frans	S	Drukfontein 613 IR	5	083 500 2005	086 512 1990	083 235 3523	fjdyk@webmail.co.za	
van Dyk, Frans	S	Goedgedacht 595 IR	2	083 500 2005	086 512 1990	083 235 3523	fjdyk@webmail.co.za	
van Dyk, Frans	S	Vogelstruisfontein 593 IR	5	083 500 2005	086 512 1990	083 235 3523	fjdyk@webmail.co.za	
van Dyk, Frans	S	Vogelstruisfontein 593 IR	6	083 500 2005	086 512 1990	083 235 3523	fjdyk@webmail.co.za	
van Dyk, Frans	S	Vogelstruisfontein 593 IR	10	083 500 2005	086 512 1990	083 235 3523	fjdyk@webmail.co.za	
van Dyk, Frans	S	Vogelstruisfontein 593 IR	11	083 500 2005	086 512 1990	083 235 3523	fjdyk@webmail.co.za	
van Dyk, Jacobus	N	Grootvley 579 IR	20	017 778 0241	082 823 3599			
van Dyk, Jacobus	N	Mahemsfontein 544 IR	4	017 778 0241	082 823 3599			
van Dyk, Johan	S	Hartbeestdraai 620 IR	6					
van Dyk, Johan	S	Hartbeestdraai 620 IR	7					
van Dyk, Johan	S	Hartbeestdraai 620 IR	8					
van Eeden, Louis Pieter	S	Vogelstruisfontein 593 IR	2			084 640 9734		Po Box 218 Greylingstad 2415
van Jaarsveld, HC / Engelbrecht, CF	N	Mahemsfontein 544 IR	0	017 778 0952				
van Jaarsveld, HC / Engelbrecht, CF	N	Mahemsfontein 544 IR	7	017 778 0952				
van Jaarsveld, HC / Engelbrecht, CF	N	Mahemsfontein 544 IR	8	017 778 0952				
Van Jaarsveld, R	N	Hartbeestfontein 522 IR	9					
Venter, Diederick	N	Boschmansfontein 523 IR	17	017 683 1552				
Wessels, AH	N	Klipdrift 324 IS	3	017 702 3233	017 702 3233	082 871 9350	jawessels@vodamail.co.za	Posbus 652 Standerton 2430
Wessels, AH	N	Klipdrift 324 IS	4	017 702 3233	017 702 3233	082 871 9350	jawessels@vodamail.co.za	Posbus 652 Standerton 2430
Wessels, AH	N	Roodebank 323 IS	6	017 702 3233	017 702 3233	082 871 9350	jawessels@vodamail.co.za	Posbus 652 Standerton 2430
Wessels, AH	N	Roodebank 323 IS	7	017 702 3233	017 702 3233	082 871 9350	jawessels@vodamail.co.za	Posbus 652 Standerton 2430
Wessels, AH	N	Roodebank 323 IS	9	017 702 3233	017 702 3233	082 871 9350	jawessels@vodamail.co.za	Posbus 652 Standerton 2430
Wessels, AH	N	Roodebank 323 IS	10	017 702 3233	017 702 3233	082 871 9350	jawessels@vodamail.co.za	Posbus 652 Standerton 2430
Wessels, AH	N	Roodebank 323 IS	11	017 702 3233	017 702 3233	082 871 9350	jawessels@vodamail.co.za	Posbus 652 Standerton 2430
Wessels, AH	N	Roodebank 323 IS	12	017 702 3233	017 702 3233	082 871 9350	jawessels@vodamail.co.za	Posbus 652 Standerton 2430
Wessels, AH	N	Roodebank 323 IS	18	017 702 3233	017 702 3233	082 871 9350	jawessels@vodamail.co.za	Posbus 652 Standerton 2430
Wessels, AH	N	Roodebank 323 IS	19	017 702 3233	017 702 3233	082 871 9350	jawessels@vodamail.co.za	Posbus 652 Standerton 2430
Wessels, AH	N	Wolvenfontein 534 IR	0	017 702 3233	017 702 3233	082 871 9350	jawessels@vodamail.co.za	Posbus 652 Standerton 2430
Alfa Voere	S	Grootvley 579 IR	11					
Dion Horn	N	Ansan Eindomme	11	017 702 3138		082 871 8361		Posbus 55 Val 2425
Dion Horn	N&S	Wellevreden 580 IR	6	017 702 3138		082 871 8361		Posbus 55 Val 2425
Dion Horn	S	Witnek 581 IR	6	017 702 3138		082 871 8361		Posbus 55 Val 2425
Astral Operations	S	Klipfontein 621 IR	1					
Bowker, F T	S	Grootvley 590 IR	7					
Buyts&Buys Elendoo	S	Vogelstruisfontein 593 IR	9					

	WJ Lyons Landgoe	S	Groenvley 590 IR	1					
	WJ Lyons Landgoe	S	Groenvley 590 IR	2					
		N	<i>Gegund, 520 IR</i>	0					
		N	<i>Kaiferspruit 527 IR</i>	8					
		N	<i>Wildelskraal 518 IR</i>	0					
		S	<i>Doornhoek 577 IR</i>	0					
		S	Groenvley 589 IR	1					
		S	Groenvley 589 IR	2					

People that are not Key stakeholders or i&Aps but have been invited to the KSH Meeting (need to be invited again)

De Jager, M (Tinus)			Syferfontein 326 IS	R0014	012 325 2940	082 375 7555		Posbus 410 Standerton 2430
Dreyer, JJ					017 702 3149 /28			Posbus 99 Val
Du Toit, Connie	Daybreak Farms				013 661 1063/4	082 900 5673	Wayne@ddaybreak.co.za	
Kleynhans, Dries	Daybreak Farms				082 657 4458	082 657 4458	dries@ddaybreak.co.za	
Jansen van Rensburg, JN			Syferfontein 326 IS	R0004	017 634 2161	016 976 0910		PO Box 283 Sasolburg 1947
Terblanche, CJ	Kerneels		Roodebank 323 IS	00024				
Van Vuuren, ID			Boschmansfontein 523 IR	00008				

Boere langs Waterval rivier

Fourie, Martin		S	<i>Ouhoutdraai</i>		017 773 1504	082 494 1843	Geen gebruik huidig	Po Box 810 Balfour
Jordaan, Daan		S	<i>Wolwefontein</i>		058 821 0800	072 594 8822	180 hektaar aartappels; 300 hektaar mielies	Po Box 171 Villiers 9840
Louwrens, Foela		S	<i>Oiterskullen</i>			082 784 6905	50 hektaar mielies; 300 beeste; 2500000 mielies	Po Box 5104 Standerton 2430
Van Rensburg, Johan		S	<i>Oiterskullen</i>			083753 9075	500 beeste	Po box 1275 Standerton 2430
Sawyer, Tom		S	<i>Oudehoutspruit 586 IR</i>			082 778 6086	180 beeste; 200 skape; 150 stuks v	Po Box 774 Boksburg 1460

APPENDIX 3.2(B)

BACKGROUND INFORMATION DOCUMENT

LOCALITY MAPS OF SASOL MINING BORROW PIT AREAS

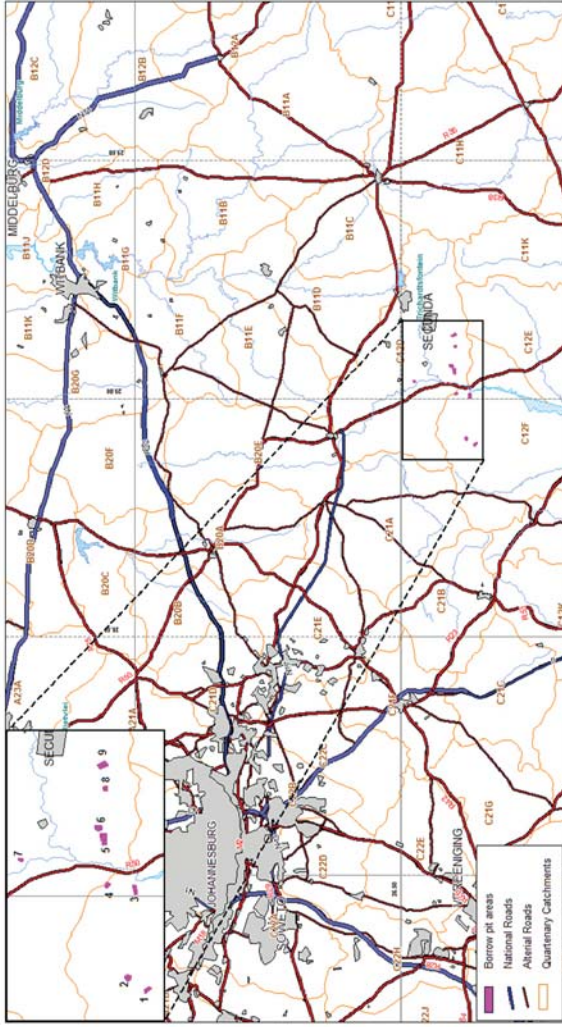


Figure 4 - Regional Locality of Sasol Mining Borrow Pit Sites

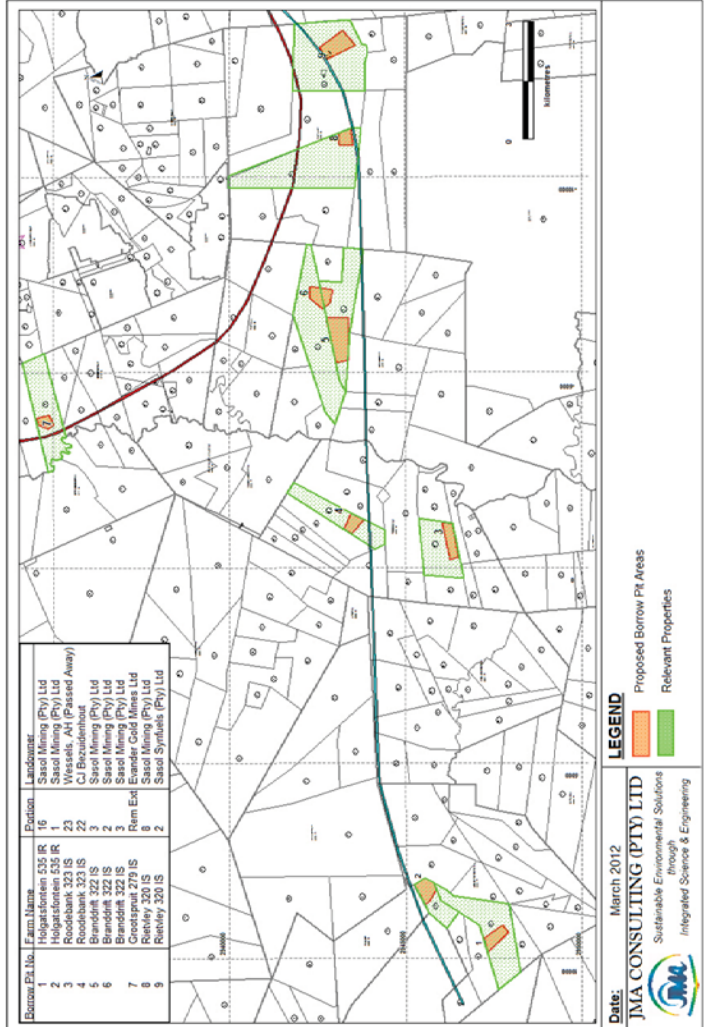


Figure 5: Borrow Pit Localities in relation to Land Owners Property Delineation



JMA Consulting (Pty) Ltd

"Sustainable Environmental Solutions through Integrated Science and Engineering"

SASOL MINING (PTY) LTD BORROW PITS PROJECT BACKGROUND INFORMATION DOCUMENT

INTRODUCTION & BACKGROUND TO THE PROPOSED PROJECT

Sasol Mining (Pty) Ltd (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 Twistdraai, 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.

present, Sasol Mining now wishes to obtain the necessary environmental authorisations to actively mine the dolerite from these nine Borrow Pits.

The above-mentioned borrow pits will be mined separately at different stages. Vegetation would be cleared from the site. Any seed-bearing material would be kept separate for use during rehabilitation or mulched into the topsoil. Topsoil would, where possible, be stripped to a depth of about 200 mm and stockpiled, together with cleared plant material, separately from other soil layers in piles not exceeding 2 m in height. Material that cannot be used for the construction projects would be used in the reshaping of the site during rehabilitation and would be stockpiled separately. To minimise any impacts on the value of the surrounding land, care shall be taken to limit the extent of the area disturbed during construction activities. Each borrow pit will be excavated by means of ripping and loading with and excavator directly on the haul vehicles. Material would then be transported to the construction area. Access would be from the existing dirt roads.



Figure 1: Excavator & Tipper Truck

IN THIS BID:	
1	INTRODUCTION & BACKGROUND TO THE PROPOSED PROJECT
2	OUTLINE OF THE ENVIRONMENTAL AUTHORIZATION PROCESSES TO BE FOLLOWED
2	CONTACT DETAILS
2	ENVIRONMENTAL BASELINE EVALUATIONS THAT WERE CONDUCTED
3	ROLE OF THE I&P'S
3	PROJECT TIMELINE
4	LOCALITY MAPS OF SASOL MINING BORROW PIT AREAS

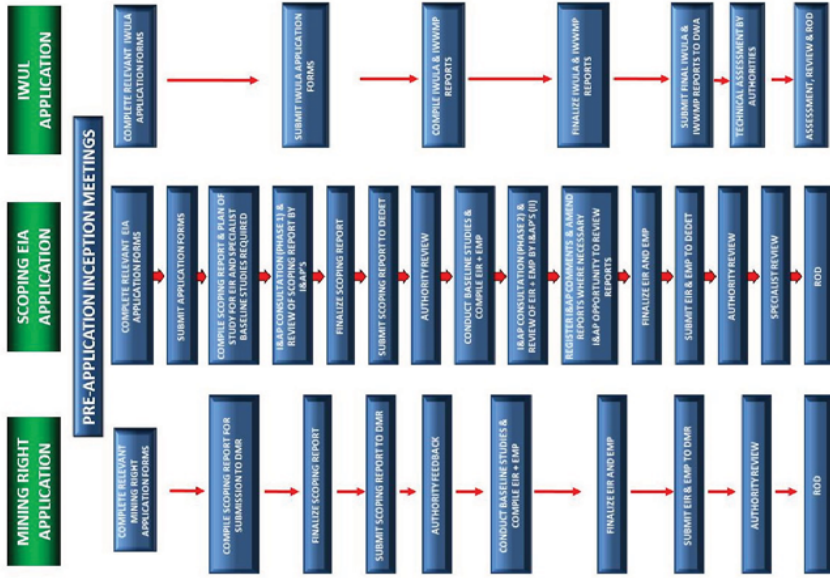
OUTLINE OF ENVIRONMENTAL AUTHORIZATION PROCESSES TO BE FOLLOWED

Sasol Mining has appointed JMA Consulting (Pty) Ltd as the independent consultant responsible to conduct and complete the formal environmental authorization processes as well as all I&AP and Authority Participation Processes.

These environmental authorization processes include a **Scoping & Environmental Impact Assessment Application** to the Department of Economic Development Environment & Tourism's Regional Office in Ermelo, a **Mining Right Application** to Department of Mineral Resources' Regional Office in Witbank, and an **Integrated Water Use License Application** to Gauteng Regional Office in Pretoria, all of which will be launched and conducted simultaneously with the EIA process. Please note that all three processes described above require I&AP consultation to be done, and that this document has the function of notifying and informing all identified I&AP's to date.

JMA Consulting (Pty) Ltd

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Tel: 013 665 1788
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Email: jasper@jmaconsult.co.za
Postal: P.O. Box 883
 Delmas
 2210



ENVIRONMENTAL BASELINE EVALUATIONS THAT WERE CONDUCTED

Several extensive Environmental Baseline Evaluations were conducted in order to establish the current situation at hand at the Borrow Pits Project sites. These Baseline Evaluations will serve as the supporting documentation during the compilation of reports for the various Environmental Authorizations processes as described above.

Environmental Base Line Evaluations included the following study areas:

- Ground Water
- Surface Water
- Geology
- Aquatic Ecology
- Animal Life
- Plant Life
- Soils
- Air Quality
- Climate / Meteorology
- Noise
- Visual Aspects
- Land Use & Land Capability
- Topography
- Heritage Aspects
- Road Traffic Assessment
- Socio-Economic Environment

ROLE OF THE I&AP'S

Interested and Affected Parties (I&AP's) have the right to raise any issue that they may deem as important and that they feel, needs to be investigated prior to approval being granted with regards to this application. These issues raised, must then be formally registered by the Environmental Assessment Practitioner (EAP), and be subsequently investigated. The EAP must respond to all issues raised during the Public Participation Process.

The roles of I&AP's in a Public Participation Process include *inter alia* one or more of the following:

- ⇒ Assisting in the identification and prioritisation of issues that need to be investigated;
- ⇒ Making suggestions on alternatives and means of preventing, minimising and managing negative impacts and enhancing project benefits;
- ⇒ Assisting in, or commenting on, the development of mutually acceptable criteria for the evaluation of decision options;
- ⇒ Contributing information on public needs, values and expectations;
- ⇒ Contributing local and traditional knowledge; and
- ⇒ Verifying that their issues have been considered.

TIMELINE FOR THE PROJECT

As can be seen in the outline of the processes to be followed (see page 2) there are two scheduled requirements for I&AP Consultation. This is conducted in the form of Public Meetings. At these meetings the status of the project is explained. Upon completion of the different stages of the project, the I&AP's will be able to review documentation drawn up, and raise any issue, comment, and/or concern that they may have with regard to the proposed project.

The first I&AP public meeting will be held on the 29th of March 2012 at the Sasol Mining, Mining Centre Conference Room which located just off the R546 road running towards Charl Cilliers/Standerton, where the Draft Scoping Report & Plan of Study for the Scoping & EIA Process and Mining Right Application will be discussed. I&AP's will then be given the opportunity to react to the proposed planning and raise any issues, comments, and/or concerns that they may have had during the meeting and in the formal review period (40 Days) that will follow after the meeting. After the review period will have expired all the comments of the I&AP's will be incorporated into the document, and the Final Scoping Report & Plan of Study will then be submitted to the relevant authorities for approval as well as to all registered I&AP's. The second I&AP public meeting will be held at a later stage once the Draft Environmental Impact Assessment Report & Draft Environmental Management Programme, have been completed. These documents will then be discussed and presented for I&AP review on a date to be announced.

AUTHORITY PARTICIPATION

In conjunction with the formal Public Participation Process the EAP will also consult with the Relevant Authorities in a series of identified Focus Group Meetings throughout the project application process. The Relevant Authorities in this case being amongst others the Mpumalanga Department of Economic Development Environment & Tourism, the Department of Mineral Resources, the Department of Water Affairs.



Figure 2: Soil stockpiles in the background, the excavated dolerite horizon in the middle and overburden in the foreground



Figure 3: Typical Strip Mining

APPENDIX 3.2(C)

NOTIFICATION LETTERS SENT TO I&AP'S



16 March 2012

ATTENTION: Registered Interested & Affected Party

Dear Sir / Madam

SASOL MINING (PTY) LTD – BORROW PITS PROJECT – APPLICATION FOR ENVIRONMENTAL AUTHORISATION FOR A SCOPING & ENVIRONMENTAL IMPACT ASSESSMENT FOR ACTIVITIES LISTED IN GN R. 544, 545 & 546, THE PROJECT CONSISTS OF THE CONSTRUCTION AND MINING OF NINE IDENTIFIED BORROW PIT AREAS IN ORDER TO EXTRACT DOLERITE MATERIAL, LOCATED WITHIN THE JURISDICTION OF GOVAN MBEKI AND LEKWA LOCAL MUNICIPALITIES NEAR THE TOWN OF SECUNDA, MPUMALANGA PROVINCE

Notice is hereby given in terms of the EIA regulations published in Government Notice R. 543, of 18 June 2010, Chapter 5 of the National Environmental Management Act (Act 107 of 1998), with the intent to carry out the above mentioned activity. In terms of Regulation's 15 (1) & 54(2)(b) of GN R. 543, notice of the proposed project is hereby given to all Interested & Affected Parties (**I&AP's**), the surrounding land owners, as well as any organ of state that may have jurisdiction over any aspect of the proposed activity.

Sasol Mining (Pty) Ltd (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 Twistdraai, 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 Twistdraai Colliery), Impumelelo Mine, (replacement of Brandspruit Colliery), and Shondoni (Brown fields project for Middelbult Colliery). The Sasol Mining Borrow Pit Project comprises of nine 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 313 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 nine Borrow Pits.

The above-mentioned borrow pits will be mined separately at different stages. Vegetation would be cleared from the site. Any seed-bearing material would be kept separate for use during rehabilitation or mulched into the topsoil. Topsoil would, where possible, be stripped to a depth of about 200 mm and stockpiled, together with cleared plant material, separately from other soil layers in piles not

2005/039663/07

exceeding 2 m in height. Material that cannot be used for the construction projects would be used in the reshaping of the site during rehabilitation and would be stockpiled separately. To minimise any impacts on the value of the surrounding land, care shall be taken to limit the extent of the area disturbed during construction activities. Each borrow pit will be excavated by means of ripping and loading with and excavator directly on the haul vehicles. Material would then be transported to the construction area. Access would be from the existing dirt roads.

Sasol Mining has appointed JMA Consulting (Pty) Ltd as the independent consultants responsible to conduct and complete the formal environmental authorization processes as well as all I&AP and Authority Participation Processes. These environmental authorization processes include a *Scoping & Environmental Impact Assessment Application* to the Department of Economic Development Environment & Tourism's Regional Office in Ermelo, a *Mining Right Application* to Department of Mineral Resources' Regional Office in Witbank, and an *Integrated Water Use License Application* to Gauteng Regional Office in Pretoria, all of which will be launched and conducted simultaneously with the EIA process. Please note that all three processes described above require I&AP consultation to be done, and that this notification letter has the function of notifying and informing all identified I&AP's to date.

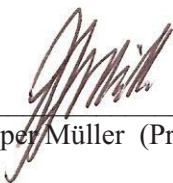
You/Your organization have been identified and provisionally registered as I&AP to this project. Should you however wish to not form part of this process please notify the consultant and you will be removed from the mailing list.

Please find attached to this letter an I&AP Comments Page whereupon all contact details and any comments or concerns can be stated and submitted to the Consultant for consideration.

You/your organization are hereby then cordially invited to attend the I&AP Public Meeting, that will be held at **14:00 on Thursday the 29th of March 2012**, in order to answer any questions that you may have on the planned activities and to provide you with any additional information that you may require. **The meeting will be held at the Sasol Mining, Mining Centre Conference Room which located just off the R546 road running towards Charl Cilliers/Standerton.** Please find directions along with GPS Coordinates to the venue on the map that is attached.

For any further information please do not hesitate to contact the Consultant. Contact information is available on the Comments Page.

Kind Regards



Jasper Müller (Pr.Sci.Nat.)

LET7181

**ENVIRONMENTAL IMPACT ASSESSMENT
PROCESS**

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

**INTERESTED AND AFFECTED PARTY REGISTRATION
& INVITATION TO COMMENT
MARCH 2012**



**Contact: Jasper Müller
JMA Consulting (Pty) Ltd
P.O. Box 883
Delmas, 2210**



**Phone: (013) 665 1788
Fax: (013) 665 2364**

E-mail: jasper@jmaconsult.co.za

Please complete and return to the Address indicated above.

TITLE		FIRST NAME	
INITIALS		SURNAME	
ORGANISATION		E-MAIL ADDRESS	
POSTAL ADDRESS			
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REGISTRATION AS INTERESTED AND AFFECTED PARTY (Please tick the applicable box)

Please formally register me as an Interested and Affected Party (I&AP) so that I may receive further information and notifications during the Environmental Impact Assessment Process	<input type="checkbox"/>	<input type="checkbox"/>
I would like notifications by	<input type="checkbox"/> Letter (Mail)	
	<input type="checkbox"/> Email	
	<input type="checkbox"/> Fax	
	<input type="checkbox"/> Telephone	
In Terms of Regulation 56(1) c, of GNR 543 (EIA process regulations) I disclose below any direct business, financial, personal, other interest that I may have in the approval or refusal of this application:		

COMMENTS (Please make use of the additional sheet if more space is needed for comments)

I suggest that the following issues be addressed during the Scoping Phase of the Environmental Impact Assessment

Any other comments

Please ask the following friends/colleagues to register as I&APs for this Environmental Impact Assessment

Signature

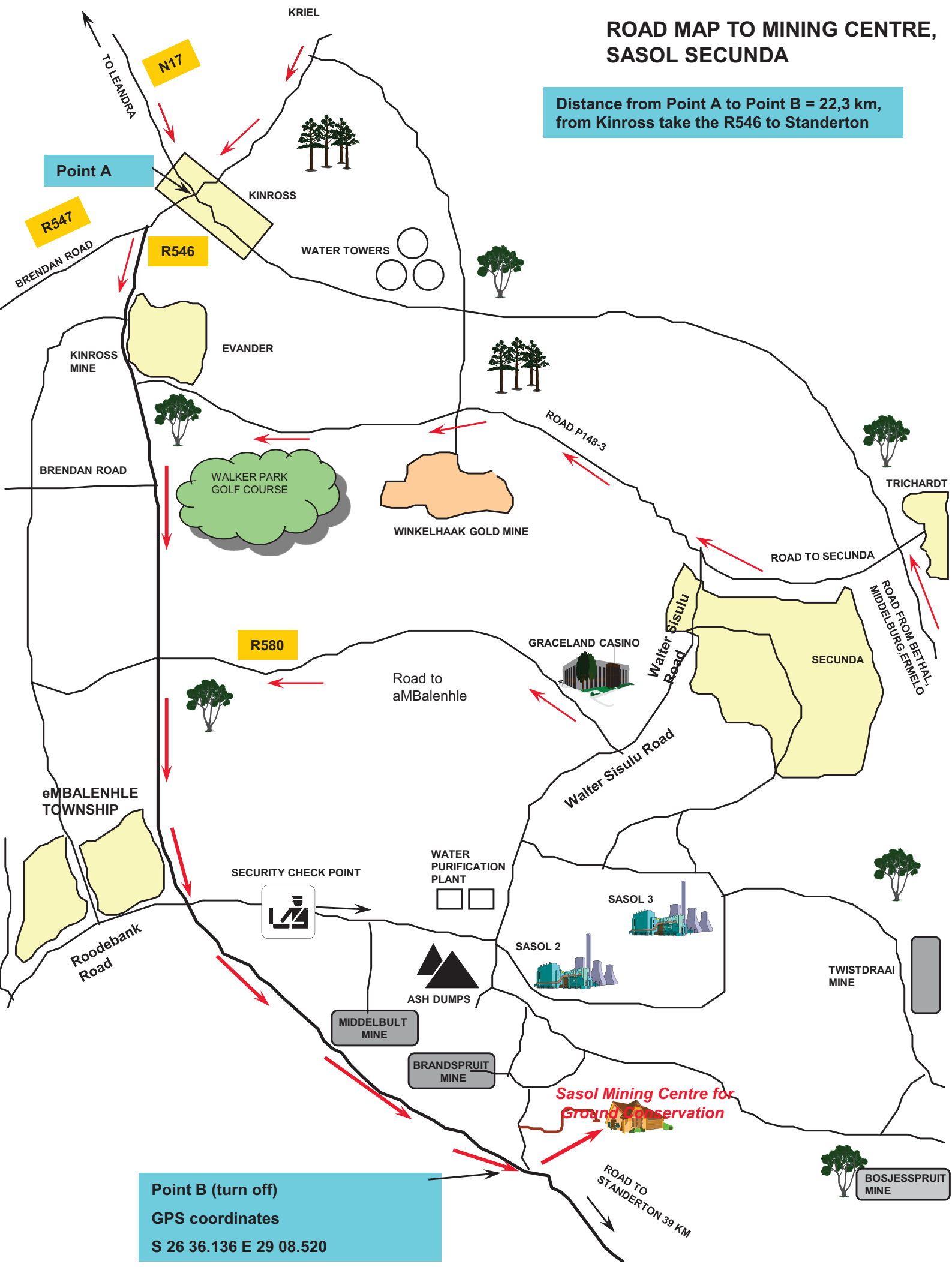
WE THANK YOU FOR YOUR CONTRIBUTION

Date

Please be assured that your comments will be formally registered and be included as part of the Final Documentation that will be submitted to Relevant authorities.

ROAD MAP TO MINING CENTRE, SASOL SECUNDA

Distance from Point A to Point B = 22,3 km,
from Kinross take the R546 to Standerton



Point A

Point B (turn off)
GPS coordinates
S 26 36.136 E 29 08.520

Sasol Mining Centre for
Ground Conservation

ROAD TO
STANDERTON 39 KM

Sasol Mining Centre for Ground Conservation

- From JHB on the N17 or from PTA drive via Leandra to Kinross
- Turn right in Kinross at the four way stop on the R546 (the road to Standerton via Evander)
- Pass Evander on your left
- Pass the road to Secunda on your left (6,8km from the Kinross turn off)
- Pass the Walker Park golf course on your left
- Pass the Brendan road on your right (8,6km from the Kinross turn off)
- Cross the Secunda eMBalenhle (R580) four way stop
- (11,6km from the Kinross turn off)
- The eMBalenhle township will now be on your right
- Cross the Roodebank eMBalenhle four way stop
- (14,8km from the Kinross turn off)
- Pass Middelbult Mine on your left
- A road sign will indicate: Standerton 40km just after this sign there is another road sign indicating a turn off to the left, this is the road to the Mining Centre (22,3km from the Kinross turn off)
- Please note there is no sign on the R546 indicating Sasol, but as soon as you have turned to the left you will find the entrance to Sasol Mining

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NOTICE OF A SCOPING ENVIRONMENTAL IMPACT ASSESSMENT AND MINING RIGHT APPLICATION

PUBLIC MEETING
Notice is hereby given in terms of the EIA regulations published in the Government Notice Reg. 543 of 18 June 2010,
Chapter 5 of the National Environmental Management Act (Act 107 of 1998), The Mineral and Petroleum Resources
Development Act (Act 28 of 2002), and the National Water Act (Act 36 of 1998), with the intent to discuss and carry out the
following activities:
• Communicate the environmental legal authorisation requirements relevant to the project.
• Present the scope of the proposed new application to all interested and affected parties.
• Discuss the Draft Scoping report for the EIA and New Mining Rights applications.
• Discuss the Integrated Water Use Licence application (IWULA).
• Discuss the way forward in the EIA, Mining Rights application and IWULA processes.
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 under way to maintain the business: the
Thubelisha shaft (replacement of Twistdraai Colliery), Impungulelo Mine, (replacement of Brandspruit Colliery), and
Shondoni (Brown fields project for Middlebut Colliery). 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 nine borrow pits.
Location: The Sasol Mining Borrow Pit Project comprises of nine 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 313 ha with the individual pit size varying between 1.5 ha and
67 ha.
Applicant: Sasol Mining (Pty) Ltd
Consultant: Jasper Muller (Pri.Sci.Nat)
JMA Consulting (Pty) Ltd
Tel: 013 665 1788
Fax: 013 665 2364
E-mail: jasper@jmaconsult.co.za
Postal: PO Box 883, Delmas 2210
Date of publication: 15 March 2012
Public participation: In accordance with EIA regulations, you are hereby cordially invited to attend the public
meeting scheduled for:
**14:00 on 29 March 2012 at 14:00 at the Sasol Mining Centre Conference Room, just off the R546 road towards
Charlie Chiers/Standerton.**
The Scoping and Environmental Impact Assessment application will be submitted to the Ermelo Regional Office of the
Mpumalanga Department of Economic Development, Environment and Tourism. Please note that this Scoping and
Environmental Impact Assessment Process, as prescribed by the National Environmental Management Act (Act 107 of
1998), will be conducted in conjunction with a New Mining Right application as prescribed by the Mineral and Petroleum
Resources Development Act (Act 28 of 2002), as well as an Integrated Water Use Licence application process, as prescribed
by the National Water Act (Act 36 of 1998), during which all interested and affected parties must be informed and consulted.
In order to ensure that you are identified and registered as an interested and/or affected party, please submit your name,
contact information and interest in the matter in writing to the abovementioned contact person.

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There's a (g)rumble in the municipal jungle ...



Municipal workers employed by Lekwa Local Municipality handed over a memorandum to the Speaker, Cllr LP Dhlamini, voicing dissatisfaction over a number of issues concerning their safety on the job.

Lekwa Local Municipality workers affiliated to the South African Municipal Workers' Union (SAMWU) brought service delivery to a standstill for a couple of hours last Thursday when they picketed outside the municipality's main building in Mbonani Mayisela Street.

Workers abandoned their posts to deliver a memorandum, addressed to the Acting Municipal Manager, in the absence of a municipal manager, containing their grievances.

The workers were expecting a senior official to receive the memorandum, but to their surprise a junior official was delegated to attend to the matter. This sparked anger and frustration from workers who at one stage wanted to forcefully push their way inside the building to confront management.

However, the situation was avoided by high ranking officials who pacified the workers and took it upon themselves to speak to management. Eventually they emerged from the building accompanied by the Speaker of Lekwa Local Municipality, Cllr LP Dhlamini, who accepted the memorandum.

In the memorandum workers expressed their dissatisfaction in connection with a number of issues, such as the alleged shortage and poor condition of vehicles used by traffic officers, traffic officers having to perform their duties under dangerous conditions without firearms and the poor quality of protective clothing for workers in the electrical and water sanitation departments.

Other qualms are the alleged risky and unfavourable working conditions

to which workers on standby and night call-outs are subjected - for instance having no reflector markers on their protective clothing - no safety equipment such as first aid kits in the vehicles and poor and unsafe working conditions at the pump stations.

The memorandum also alleges that the workers employed in the department for recreational parks and gardens are not provided with shin-guards and safety goggles and they feel that health and safety programmes should be implemented as a matter of urgency.

Management was given seven working days to respond to the memorandum.

Workers dispersed peacefully and returned to their posts.

DM

Olé - of pak die bul by die horings



Olé! Maak pad! 'n Verwoede Brahmabul het Vrydag van sy eienaar se wa naby die veilingkrale afgespring en Standerton se middedorp ingevaar, waar hy vreesbevange mense binne in winkels gejaag het.

'n Jong Brahmabul het Vrydag amok in Standerton se middedorp naby die poskantoor gemaak toe hy van sy eienaar se wa ontsnap het.

Die strate het behoorlik soos dié van Pamplona, Spanjé tydens die jaarlikse gehardloop saam met die bulle gelyk toe die verwarde en paniekbevange bul alles wat beweeg, gestorm het.

Mense het in winkels gaan skuil in 'n poging om weg te kom van die ontstigte dier en mnr Wessel MacQueen en sy makkers van Kasselmann Veiligheidsdienste het hul hande vól gehad om mense uit die bul se pad te hou toe dié

voor die poskantoor, oorkant die kafee, vir 'n wyle sy asem teruggekyk het.

'n Plaaslike veearts se hulp is ingeroep om die dier te verdoof, maar voordat hy naby die bul kon kom, het 'n niksvermoedende verbyganger die bul verder ontstel en toe is die gort gaar.

Die paniekbevange bul het die pad gevat, straat-af in die rigting van die bakery. Ná 'n gespoek is hy by die rivierpark voorgekeer, waar hy verdoof is en weer gelaai is.

Daar is sekerlik 'n hele paar mense wat dié aand 'Ole!' met 'n eg-Spaanse aksent in hul slaap geskreeu het ... **LvR**



Dr Schalk van der Merwe, plaaslike veearts van Standerton berei 'n 'konkoksie' voor om die bul mee te sedgeer.

NOTICE OF A SCOPING ENVIRONMENTAL IMPACT ASSESSMENT & MINING RIGHT APPLICATION

PUBLIC MEETING

Notice is hereby given in terms of the EIA regulations published in Government Notice R. 543, of 18 June 2010, Chapter 5 of the National Environmental Management Act (Act 107 of 1998), The Mineral & Petroleum Resources Development Act (Act 28 of 2002), and the National Water Act (Act 36 of 1998), with the intent to discuss and carry out the following activities:

- Communicate the Environmental Legal Authorisation Requirements relevant to the project;
- Present the Scope of the proposed new application to all Interested & Affected Parties;
- Discuss the Draft Scoping Report for the EIA and new Mining Right Applications;
- Discuss the Integrated Water Use License Application (IWULA);
- Discuss the way forward in the EIA, Mining Right Application & IWULA processes.

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 Twistdraai Colliery), Impumelelo Mine, (replacement of Brandspruit Colliery), and Shondoni (Brown fields project for Middelbult Colliery). 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 nine Borrow Pits.

Location: The Sasol Mining Borrow Pit Project comprises of nine 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 313 ha with individual pit size varying between 1.5 ha and 67 ha.

Applicant: Sasol Mining (Pty) Ltd
Consultant: Jasper Müller (Pri.Sci.Nat)
 JMA Consulting (Pty) Ltd
 Tel: (013) 665 1788
 Fax: (013) 665 2364
 Email: jasper@jmaconsult.co.za
 Postal: P.O. Box 883, Delmas, 2210

Date of Publication: 15 March 2012

Public Participation: In accordance with EIA regulations you are hereby then cordially invited to attend the Public Meeting scheduled for:

14:00 on the 29th of March 2012, at the Sasol Mining, Mining Centre Conference Room which located just off the R546 road running towards Charl Cilliers/Standerton

The Scoping & Environmental Impact Assessment application will be submitted to the Ermelo Regional Office of the Mpumalanga Department of Economic Development, Environment & Tourism.

It is important to note that this Scoping & Environmental Impact Assessment Process, as prescribed by the National Environmental Management Act (Act 107 of 1998), will be conducted in conjunction with a New Mining Right Application as prescribed by the Mineral and Petroleum Resources Development Act (Act 28 of 2002), as well as an Integrated Water Use License Application Process, as prescribed by the National Water Act (Act 36 1998), during which all Interested and Affected Parties must be informed and consulted.

In order to ensure that you are identified and registered as an interested and/or affected party please submit your name, contact information and interest in the matter, in writing, to the contact person given above.



APPENDIX 3.2(E)
PROOF OF SITE NOTICES



Notice put up at Kinross Public Library



Notice put up at Evander Public Library



Notice put up at eMbalenhle Community Library



Notice put up at Secunda Public Library



Site Notice put up at Borrow Pit No 1



Site Notice put up at Borrow Pit No 2



Site Notice put up at Borrow Pit No 3



Site Notice put up at Borrow Pit No 4



Site Notice put up at Borrow Pit No 5



Site Notice put up at Borrow Pit No 6



Site Notice put up at Borrow Pit No 7



Site Notice put up at Borrow Pit No 8



Site Notice put up at Borrow Pit No 9

APPENDIX 3.2(F)

**NOTES FOR THE RECORD OF CONSULTATION WITH
DMR**



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through integrated
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NOTE FOR THE RECORD



sasol
reaching new frontiers

SASOL MINING (PTY) LTD – BORROW PITS PROJECT 5 MARCH 2012

- PURPOSE:** **Telephonic Pre-Application Consultation with DMR (Martha Makonyane)**
- DISCUSSION:**
1. Synoptic Project Description of Sasol Mining Borrow Pits Project.
 2. Application for new Mining Right in terms of MPRDA.
 3. Applications in terms of NEMA (EIA) and NWA (IWULA) as well.
 4. Combination of Process for all three Authorities.
 5. Public Participation requirements and submission of Application Form & Scoping Report
- OUTCOME:**
1. Mining right not Mining Permit Application due to size of borrow pits.
 2. Scoping Report, Impact Assessment & Environmental Management Plan required for and Mining Right application.
 3. Public Participation required.
 4. Combined process is acceptable.
 5. Simultaneous submission of Application Form & Scoping Report.

This note for the record was compiled by:

Riaan Fourie (Cand.Sci.Nat.)

APPENDIX 3.2(G)

**NOTES FOR THE RECORD OF CONSULTATION WITH
DEDET**



Sustainable Environmental Solutions
through integrated
Science and Engineering

NOTE FOR THE RECORD

APPLICANT: Sasol Mining (Pty) Ltd
PROJECT: Borrow Pits
AUTHORITY: Department of Economic Development, Environment and Tourism (DEDET)

DATE: 6 March 2012
VENUE: DEDET Offices in Ermelo
TIME: 10:30

PRESENT:

Name	Company	Telephone number	Fax number	Cell phone number	E-mail address
Bheki Mndawe	DEDET	017-8113944			bemndawe@mpg.gov.za
Jasper Muller	JMA Consulting	013-6651788	013-6652364	082 4950169	jasper@jmaconsult.co.za

PURPOSE: EIA Pre-Application Meeting

DISCUSSION:

1. Synoptic Project Description of Sasol Mining Borrow Pits Project.
2. Applications in terms of NEMA, MPRDA and NWA.
3. Combination of Process for all three Authorities.
4. Relevant Listed Activities Identified in GNR 544, 545 and 546.
5. Study Area Covered in Mpumalanga C-Plan.
6. Scoping and EIA Process.

OUTCOME:

1. EIA required for both NEMA and MPRDA applications.
2. Public Participation required for NWA application.
3. Combined process is acceptable.
4. Confirmation of Listed Activities – include and remove later if unsure.
5. DEDET will confirm which Farms are covered by C-Plan
JMA to provide Farm names/numbers.
6. Scoping and EIA required due to Water Uses Identified which triggers Activity 5 in GNR 545.

Meeting was then adjourned.

This note for the record was compiled by: *Jasper L Muller*

APPENDIX 3.2(H)

NOTES FOR THE RECORD OF MEETING WITH DWA



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NOTE FOR THE RECORD

APPLICANT: Sasol Mining (Pty) Ltd
PROJECT: Borrow Pits
AUTHORITY: Department of Water Affairs Gauteng Region
(DWA:Gauteng)

DATE: 22 March 2012
VENUE: DWA Gauteng Region – Tambotie Conference Room
TIME: 09:00

PRESENT:

Name	Company	Telephone Number	Fax Number	Cell Phone Number	E-mail address
Jasper Muller	JMA Consulting	013-6651788	013-6652364	082 4950169	jasper@jmaconsult.co.za
Flora Mamabola	DWA:Gauteng	012-3921361	-	082 8818193	mamabolaf@dwa.gov.za
Joyce Lekoane	DWA:Gauteng	012-3921381	-	0826005669	lekoanej@dwa.gov.za
Nandi Madlala	DWA:Gauteng	-	-	-	-
Paul Meulenbeld	DWA: Head Office	-	-	082 6627719	meulenbeldp@dwa.gov.za

PURPOSE: IWULA/EIA Pre-Application Meeting

DISCUSSION:

1. Synoptic Project Description of Sasol Mining Borrow Pits Project.
2. Alignment of Applications in terms of NEMA, MPRDA and NWA.
3. Combination of Public Participation Process for all three Authorities.
4. Identification/Confirmation of Water Uses
5. Requirements for Reserve Determination.
6. Aspects related to Investigation, Consultation and Information Requirements.
7. Risk Classification of Activity.
8. Documentation and Comments for other Processes (EIA)

OUTCOME:

1. Confirmation that this was a new Sasol Mining Project.
2. Alignment with NEMA and MPRDA processes found acceptable.
3. Public Participation required for NWA application – combine with other.
4. Water Uses Confirmed – section 21(c); 21(f); 21(g) and 21(i). Possible GA's depending on later details. GN 704 to be included.
5. DWA will request Reserves.
6. JMA fully aware of investigation, consultation and information requirements – application forms, supplementary information, IWWMP template, WULA report.

7. JMA to support DWA Risk Determination Model with required input information and to compile provisional risk model. DWA will confirm the Risk Assessment.
8. DWA requires 4 hard copies of EIA Information for review and comment. JMA can submit info directly with DEDET and DMR approval.

Meeting was then adjourned.

This note for the record was compiled by: [Jasper L Muller](#)



APPENDIX 3.2(I)
MINUTES OF FOCUS GROUP MEETINGS

**THERE WAS NO REQUEST FOR A FOCUS GROUP MEETING UP TO
DATE.**

APPENDIX 3.2(J)
MINUTES OF SCOPING PUBLIC MEETING



*Sustainable Environmental Solutions
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MINUTES OF THE MEETING

SASOL MINING (PTY) LTD
DATE: 29 MARCH 2012
VENUE: SASOL MINING, MINING CENTRE
CONFERENCE FACILITY
SECUNDA
TIME: 14:00



PURPOSE:

The purpose of the meeting was to introduce and communicate the different aspects of the proposed Sasol Mining Borrow Pits Project (SMBP) to all of the Interested & Affected Parties (I&AP's) that were present at the Public Meeting. This was done by virtue of a presentation explaining and discussing the background to the project as well as the different components that were identified to the proposed project. The meeting also had the function of providing an opportunity to I&APs to raise concerns, objections, or any question that they may have regarding the proposed SMBP Project.

PRESENTATION:

Jasper Muller (JM) started off the meeting by welcoming and thanking everybody for their presence. JM then proceeded to explain the rules that were set for the meeting by explaining that he would firstly be giving a presentation about the project after which there will be an opportunity for discussion and the submission of written comments.

JM moved on to provide a brief background history of Sasol Mining in the Secunda area and also indicated where this latest project will fit into the scheme of things. JM then provided some details of the applicant and then explained the regional and local localities of the different project sites. JM also made mention of all of the different properties that will be affected by this project, highlighting the fact that only three of the ten affected properties did not belong Sasol.

JM then discussed the legal framework for the project mentioning that three pieces of legislature were relevant to this project. These being the National Environmental Management Act (Act 107 of 1998), the Mineral & Petroleum Resources Development Act (Act 28 of 2002) and the National Water Act (Act 36 of 1998). JM also described the different environmental authorisation processes that are required by the abovementioned legislation. JM also explained how these different processes were streamlined to ensure maximum efficiency. JM then proceeded to give a detailed explanation of the Scoping & EIA Process which will be the main vehicle to conduct the three authorisation processes. JM explained the different phases of the EIA and what activities are required in each of them. JM also gave an in-depth description of the Public Participation Process, the importance thereof and the responsibility of the different role players during public participation. JM also advised the I&AP's on how to approach this project and explained what will happen when during public participation.

JM then moved on to name and discuss the different listed activities that were identified for the EIA, Mining Right Application and Water Use License Application. JM alluded to the fact that some of the activities being applied for now may fall away as a more detailed project description is generated as the project progresses through the different phases.

JM then gave a detailed explanation of the contents of the Scoping Report & Plan of Study document going through each of the chapters of this document explaining what information can be found where in the document. During this explanation JM also highlighted the areas in the document that are important for

I&AP's to review and comment upon as this will increase their involvement and ability to affect the contents of the different reports that will be submitted to the relevant authorities. JM mentioned all the studies that have been conducted and how impacts were predicted and assessed.

DISCUSSION:

JM then opened the floor for any questions the attendees may have and also explained how comments from the public will be addressed.

Attie Jankowitz (AJ) from the surrounding farming community asked how this project will affect the Mpumelelo Project. JM stated that this would be an entirely new and separate project that will among others provide the Mpumelelo Project with the necessary materials for construction.

AJ said the reason for him asking this is because of the cumulative impact of all of the individual projects being conducted in the area and that these cumulative impacts are becoming unbearable for the local community and that they are beginning to feel smothered. AJ also said that post approval communication with affected landowners of all the different projects in the area left a lot to be desired and is non-existent. AJ also complained that the meeting was only conducted in English when the majority of the people attending the meeting could understand Afrikaans. AJ also said that he would like to have a hard copy of the document as it is difficult and expensive for farmers in the area to download and print the documents received via email. AJ asked for closer cooperation from this project as the previous ones conducted in the area as they feel that some of the current construction activities taking place in the area now are not according to what was said beforehand. AJ then asked where exactly will these borrow pits be located and how do they know that their localities will not change after approval. AJ also said road transport was a major concern for the local community in the area and at times dangerous with inconsiderate driving by construction vehicles.

JM thanked him for his inputs. JM then answered him by saying the meeting was started in Afrikaans but switched to English when attendees arrived that were not as comfortable with the Afrikaans language, in order to accommodate as many people as possible. JM also suggested that all the local landowner that has the same concerns as Mr Jankowitz be accommodated and consulted during a focus group meeting in order to ensure that everybody has the opportunity to take part in this process. JM said that some of the information Mr Jankowitz requested is already available in the documentation and acknowledged that some changes to this information may still take place but it will not be major changes rather small changes to increase effective management of to borrow pits.

JM said that the cumulative impact of this project will specifically be addressed in the Environmental Impact Assessment Report. AJ asked whether the Mpumelelo Project will be delayed if this project does not proceed. JM said that authorisation have already been granted for some smaller pits but if Sasol cannot source dolerite from the bigger pits the material will have to be bought from an external source.

JM stated that electronic copies are readily available for distribution, hard copies are available at public libraries but a plan can be made to provide I&AP's with hard copies as well.

JM thanked everybody for their attendance and adjourned the meeting.

These minutes of the meeting was compiled by:



Riaan Fourie (Cand.Sci.Nat.)



JMA Consulting (Pty) Ltd

15 Vickers Street
Delmas
P O Box 883
Delmas, 2210
Tel (013) 665 1788
Fax (013) 665 2364

Sustainable Environmental Solutions through integrated Science and Engineering

ATTENDANCE REGISTER

PROJECT : Sasol Mining Borrow Pits Project Scoping Phase I&AP Public Meeting		VENUE : Sasol Mining, Mining Conference Centre DATE & TIME : 29 March 2012 @ 14:00					
Nr	Name	Representing	Postal Address	Fax number	Contact Details	E-mail address	Sign
1	J Müller	JMA	PO Box 883, Delmas, 2210	013 665 2364	Tel: 013 665 1788 Cell: 082 495 0169	riaan@jmaconsult.co.za	
2	R Fourie	JMA	PO Box 883, Delmas, 2210	013 665 2364	Tel: 013 665 1788 Cell: 082 866 4123	r.fourie@jmaconsult.co.za	
3	R Hudson	Zest	PO BOX 1626 Secunda 2302	02766651678	07658 1571 082 885 1982	Richard.Hudson@zest.co.za	<i>R Hudson</i>
4	A Comarshé	Sasol Mining	PO Box 693 Trichardt	011 522 8289	082 729 0718	amshel.comarshel@sasol.com	<i>A Comarshé</i>
5	G Nussay-Vos	Sasol Mining	16 Wade Berg X 1615 Secunda	011 522 4272	072 160 5500	g.vos@sasol.com	<i>G Nussay-Vos</i>
6							
7							
8							
9							
10							
11							



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Sustainable Environmental Solutions through integrated Science and Engineering

ATTENDANCE REGISTER

PROJECT : Sasol Mining Borrow Pits Project
Scoping Phase I&AP Public Meeting

VENUE : Sasol Mining, Mining Conference Centre.
DATE & TIME : 29 March 2012 @ 14:00

Nr	Name	Representing	Postal Address	Fax number	Contact Details	E-mail address	Sign
1	J Müller	JMA	PO Box 883, Delmas, 2210	013 665 2364	Tel: 013 665 1788 Cell: 082 495 0169	riaan@jmaconsult.co.za	
2	R Fourie	JMA	PO Box 883, Delmas, 2210	013 665 2364	Tel: 013 665 1788 Cell: 082 866 4123	r.fourie@jmaconsult.co.za	
3	K. Le Loux	SASOL Mining		0115222623	0829275533	kelle.leroux@sasol.com	
4	J.P. Bezuidenhout	SASOL Mining		0115222462	082 906 7535	hannes.bezuidenhout@sasol.com	
5	F. Bothma	Pride Millie	PO Box 9111 Gordonia		0824989738	f.bothma@pridemilling.co.za	
6	A. M. H. M. K. van der Merwe	Sehobela	PO Box 802	011-822 8257	0823558810	sehobela@sehobela.com	
7	K. ROHAN	GMIN	PRIVATE BAG X1017, SECUNDER	0866454582	0176206075	Kamesh.r@govamunbeli.gov.za	
8	M. M. A. M. B. U. G. M. A. N.	GMIN	Private Bag X1017 Secunder	0176513599	017 6206200	gmin@gmin.co.za	
9	J.A. Joubert	FARMERS	Posbus 1820 SECUNDER	0867161889	0824650232	joubert@seccenter.co.za	
10							
11							



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Sustainable Environmental Solutions through integrated Science and Engineering

ATTENDANCE REGISTER

PROJECT : Sasol Mining Borrow Pits Project	VENUE : Sasol Mining, Mining Conference Centre
Scoping Phase I&AP Public Meeting	DATE & TIME : 29 March 2012 @ 14:00

Nr	Name	Representing	Postal Address	Fax number	Contact Details	E-mail address	Sign
1	J Müller	JMA	PO Box 883, Delmas, 2210	013 665 2364	Tel: 013 665 1788 Cell: 082 495 0169	riaan@jmaconsult.co.za	
2	R Fourie	JMA	PO Box 883, Delmas, 2210	013 665 2364	Tel: 013 665 1788 Cell: 082 866 4123	L.fourie@jmaconsult.co.za	
3	Bouff Huisel	Sasol GAS	PO Box 1234 Randburg 2125	011 865 8591	011 865 8563 082 450 2822	bruce.vanderhewele@sasol.com	<i>[Signature]</i>
4	P Zwirgbeck	Sasol P 55			083 946 9710	nicola.zwirgbeck@sasol.com	<i>[Signature]</i>
5	B Conradie	Wanderfeld	P Bag X1012, Evander 2280.	(017) 6224046	(017) 6201620	boet.conradie@wanderfeld.co.za	<i>[Signature]</i>
6							
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11							

APPENDIX 3.2(K)
COMMENTS RECEIVED FROM I&AP'S
(SCOPING PHASE)

Kobus Du Plessis

From: Kobus Du Plessis
Sent: 07 June 2012 04:25 PM
To: 'jankowitz@secunda.co.za'
Cc: Jasper Muller; Pieter Zwegelaar (pieter.zwegelaar@sasol.com); Gail Nussey (gail.nussey@sasol.com)
Subject: Sasol Mining Borrow Pit Project_Issue and Response
Attachments: SasolMiningBorrowPits-AttieJankowitz-Response.pdf; SASOL MINING BORROW PITS_Issues Comments and Response.pdf

Tracking:	Recipient	Delivery
	'jankowitz@secunda.co.za'	
	Jasper Muller	Delivered: 2012/06/07 04:25 PM
	Pieter Zwegelaar (pieter.zwegelaar@sasol.com)	
	Gail Nussey (gail.nussey@sasol.com)	

Geagte Mnr Jankowitz

Vind asb. aangeheg die kommentaar op die besware en voorstelle ontvang vanaf u na aanleiding van die vergadering gehou op 29 Maart 2012. Aangeheg is ook die formele "Issues, Comments and Response Register" soos aangeheg in die EIA Scoping Report wat na die Owerhede gestuur gaan word vir kommentaar vanaf hulle kant.

Ons sal graag 'n vergadering met u wil reël om dit verder te bespreek, indien u sou belangstel.

Groete

Kobus du Plessis

JMA CONSULTING (PTY) LTD

P O BOX 883

DELMAS

_210

Cell No.: 083 372 9979

Tel No.: 013-665 1788

Fax No.: 013-665 2364

E-mail: kobus@jmaconsult.co.za

Kobus Du Plessis

From: Microsoft Exchange
To: jankowitz@secunda.co.za
Sent: 07 June 2012 04:29 PM
Subject: Relayed: Sasol Mining Borrow Pit Project_Issue and Response

Delivery to these recipients or distribution lists is complete, but delivery notification was not sent by the destination:

jankowitz@secunda.co.za

Subject: Sasol Mining Borrow Pit Project_Issue and Response

Sent by Microsoft Exchange Server 2007

Kobus Du Plessis

From: ajank <jankowitz@secunda.co.za>
To: Kobus Du Plessis
Sent: 10 June 2012 09:12 AM
Subject: Read: Sasol Mining Borrow Pit Project_Issue and Response

Your message was read on Sunday, June 10, 2012 9:12:15 AM (GMT+02:00) Harare, Pretoria.

Kobus Du Plessis

From: Kobus Du Plessis
Sent: 07 June 2012 04:24 PM
To: 'rhariram@randwater.co.za'
Cc: Jasper Muller
Subject: Waterval Forum_Sasol Mining Borrow Pit Project
Attachments: Background Information Document.pdf; SMBP Scoping Public Meeting 29032012.pdf

Tracking:	Recipient	Delivery
	'rhariram@randwater.co.za'	
	Jasper Muller	Delivered: 2012/06/07 04:24 PM

Dear Sir

During our recent EIA/Scoping Public Meeting one of the Interested and Affected Parties (I&AP's) requested that the Waterval Forum must be included as an I&AP's for this project. Hereby please find attached the BID as well as the Minutes of the Scoping Public Meeting.

In future you will receive all relevant information.

If you reckon that the Waterval Forum must be consulted as a dedicated Focus Group, please indicate your requirements to us so that we can make the necessary arrangements.

Regards

Kobus du Plessis

JMA CONSULTING (PTY) LTD

P O BOX 883

DELMAS

2210

Cell No.: 083 372 9979

Tel No.: 013-665 1788

Fax No.: 013-665 2364

E-mail: kobus@jmaconsult.co.za

Kobus Du Plessis

From: Microsoft Exchange
To: rhariram@randwater.co.za
Sent: 07 June 2012 04:26 PM
Subject: Relayed: Waterval Forum_Sasol Mining Borrow Pit Project

Delivery to these recipients or distribution lists is complete, but delivery notification was not sent by the destination:

rhariram@randwater.co.za

Subject: Waterval Forum_Sasol Mining Borrow Pit Project

Sent by Microsoft Exchange Server 2007

Kobus Du Plessis

From: Reveck Hariram <rhariram@randwater.co.za>
Sent: 07 June 2012 04:35 PM
To: Kobus Du Plessis
Subject: Read: Waterval Forum_Sasol Mining Borrow Pit Project
Attachments: ATT00001; ATT00001.txt

Your message

To: Reveck Hariram
Subject: Waterval Forum_Sasol Mining Borrow Pit Project
Sent: Thursday, June 07, 2012 4:23:42 PM (UTC+02:00) Harare, Pretoria

was read on Thursday, June 07, 2012 4:34:32 PM (UTC+02:00) Harare, Pretoria.

Assessed.

Jasper Muller

From: Jasper Muller
Sent: 26 April 2012 08:47 AM
To: 'Nussey, Gail (G) (Dr.) (gail.nussey@SASOL.com)'; 'Zwiegelaar, Pieter (P)'
Subject: Comments from Attie Jankowitz
Attachments: SasolMiningBorrowPits-AttieJankowitz.doc

Dear Gail/Pieter

Attached please find comments received from Mr Attie Jankowitz. I would appreciate it if the Project team can look at them and respond where they can. We will then discuss it in a meeting and possibly set up a focus group meeting with Mr Jankowitz for early in May.

Regards

Jasper Müller

MA Consulting (Pty) Ltd
P O Box 883
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2210
Tel: +27 13 665 1788
Fax: +27 13 665 2364
Cellphone: +27 82 495 0169

E-Mail Disclaimer

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2. *The views and opinions expressed in this e-mail do not necessarily express or reflect the views and/or opinions of JMA Consulting (Pty) Ltd.*

R. Jankowitz

Jasper Muller

From: Jasper Muller
Sent: 11 April 2012 11:48 AM
To: 'jankowitz@secunda.co.za'
Subject: FW: Sasol Mining Borrow Pit Project
Attachments: SASOL BORROW PITS.doc

Beste Attie

Hiermee formele erkenning van ontvangs van jou kommentaar met betrekking tot the Sasol Mining Borrow Pits Projek. Die kommentaar sal formeel by die prosesdokumentasie bygewerk word. Ons sal dit ook spoedig met die projekspan bespreek en daarna terugvoer verskaf.

Groete

Jasper Müller

JMA Consulting (Pty) Ltd
P O Box 883
DELMAS
2210
Tel: +27 13 665 1788
Fax: +27 13 665 2364
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From: Emmerenzia Pretorius
Sent: 04 April 2012 08:11 AM
To: Riaan Fourie; Jasper Muller
Subject: FW: Sasol Mining Borrow Pit Project

From: ajank [<mailto:jankowitz@secunda.co.za>]
Sent: 04 April 2012 07:59 AM
To: Emmerenzia Pretorius
Subject: Sasol Mining Borrow Pit Project

<<...>> |

Attie Jankowitz

B.Com(UOVS), MBL(Unisa), MCSSA(SA)

jankowitz@secunda.co.za

Jasper Muller

From: Microsoft Exchange
To: jankowitz@secunda.co.za
Sent: 11 April 2012 11:48 AM
Subject: Relayed: FW: Sasol Mining Borrow Pit Project

Delivery to these recipients or distribution lists is complete, but delivery notification was not sent by the destination:

jankowitz@secunda.co.za

Subject: FW: Sasol Mining Borrow Pit Project

Sent by Microsoft Exchange Server 2007

29 MAART 2012

Na aanleiding van die vergadering gehou deur JMA CONSULTING op 29 Maart 2012 wil ek die volgende besware en voorstelle opper. (Hierdie besware kan nie aanvaar word as die enigste wat geopper is nie). Hierdie besware sal in Engels vertaal en aan die Departement van Mineraal en Energie voorsien word om die erns hiervan te beklemtoon.

Formele terugvoer op besware en voorstelle word in die "Issues, Concerns and Response Register", wat 'n bylaag is tot die "Final Scoping Report & Plan of Study" is, beantwoord. Hierdie finale verslag, wat alle kommentaar aanspreek wat tydens die publieke oorwegingsperiode van 30 Maart 2012 tot 8 Mei 2012 ontvang is, word binnekort aan die owerhede oorhandig. U sal in kennis gestel word wanneer dit gebeur en waar 'n afskrif van die finale verslag beskikbaar sal wees. U het dan weer die geleentheid om kommentaar te lewer direk aan die owerhede.

A. SASOL "BORROW PITS PROJECT" besware teen voorgestelde ligging van putte en gebruik van gebrekkige infrastruktuur (pad verkeer):

Die ligging van die verskillende putte plaas die huidige gebrekkige padnetwerk onder nog groter druk. Die pad na Bosmanfontein (wat nie naastenby hierdie volume verkeer dra nie, is deur Sasol opgradeer terwyl hierdie omgewing ignoreer word. Geen behoorlike padnetwerk bestaan tans vanaf Secunda/Evander/Embalenchle na Roodebank nie. Werknemers vanaf Secunda, wat in die Roodebankomgewing woon, word verplig om onder haaglike omstandighede 'n addisionele 20km ompad te ry (tot 4 maal per dag). Die regte van hierdie padgebruikers, word in totaliteit misken.

Die putte se liggings word grotendeels bepaal deur die teenwoordigheid al dan nie van geskikte dolerietgruis materiaal. Nadat geskikte materiaal geïdentifiseer is, en in die lig van hoë vervoerkostes, is die putte voorts so naby as moontlik aan, en soveel as moontlik langs, die roetes van die vervoerbande gekies. Daar is dus nie geskikte materiaal nader aan die vervoerbande nie, wat impliseer dat die omvang van padvervoer van die materiaal geminimeer is.

Sasol Mynbou gaan wel die paaie tussen Secunda en the Impumelelo skag opgradeer as deel van die Impumelelo projek en hierdie omgewing word dus geensins geignoreer. Sasol erken dus wel die belange van die padgebruikers in die omgewing.

Die volgende roetes word direk hierdeur geraak:

- 1) Die teerpad tussen Leandra en Standerton (R518) is onder konstruksie (reeds vir 4 jaar) en dit sal (volgens beplanning) in Desember vir padgebruikers beskikbaar wees. Indien addisionele verkeer hierop toegelaat word, sal vragmotors (meer as tans) gewone verkeer totaal ontwrig. Hierdie roete word deurlopend, tot 4 keer per dag, deur inwoners gebruik. Met die huidige 4 stop-ry beheerpunte, word die regte van die padgebruikers hier reeds misken.

Geen vervoer van dolerietgruis vanaf enige van die leengroewe, na enige van die twee vervoerbande sal op hierdie pad plaasvind, of selfs hierdie pad kruis nie. Die Impumelelo vervoerband kruis hierdie pad onderdeur op een plek met 'n duikweg. Dolerietgruis kan van weerskante by hierdie punt uitkom sonder om bo-op die pad te kom. Sien die aangehegde kaart met die voorgestelde vervoer roetes.

- 2) Die teerpad vanaf Evander na Standerton. By die aansluiting van die R547 grondpad, is dit lewens gevaarlik. Hoë volumes verkeer word hier bevind en die aansluiting is nie ontwerp om sulke verkeer te hanteer nie. Hierdie teerpad is ook die roete na Sasol vanaf die projekte en die toegang wat in punt 5.14.1 (p350) beskryf word.

Hierdie aansluiting sal wel vervoer van dolerietgruis dra vanaf Groef 3 na die Impumelelo vervoerband. Die alternatief is om die gruis vanaf Groef 3 ooswaarts na die R50 te neem, 'n minder gunstige opsie aangesien die R50 hoogs waarskynlik 'n besiger pad as die R547 is.

- 3) *"The only secondary public road expected to carry any trucks related to the dolerite Borrow Pits. Dolerite from Pit 3 on its way to Impumelelo Conveyor will be transported over a distance of some 2.5km along this road"*. Hierdie grondpad kruis die vervoerband 4keer. Daar is geen onderhoudsooreenkoms in plek nie. Ek voorsien dat die kontrakteur sal poog om hierdie roete te sluit. Dit mag geensinds toegelaat word nie!

Die vervoerband word met duikweë onderdeur alle paaie geneem. Na konsultasie met die Departement van Paaie het Sasol Mynbou, deur die raadgewersgroep, skriftelike toestemming verkry om soos en wanneer nodig, wel noodsaaklike skraap- en herstel-werk aan die geaffekteerde paaie te doen. Geen paaie sal gesluit word nie.

- 4) Die grondpad (R547)(D714) tussen 1 en 2 hierbo. Hierdie pad bevat 'n enkellaanbrug ("Swaweltjiebrug") wat nie vir vragmotors van 10 m² ontwerp is nie. Hierdie grondpad, vanaf die R547 tot by die Balfourteerpad (R527) word geensinds instand gehou nie. Die materiaal wat vanaf put nommer 3 (2,134,436 m² of **213,443.6 vragte** van 10 m² elk) sal volgens u studie op hierdie roete vervoer moet word wat dit ondraaglik vir enige bewoner in hierdie omgewing sal maak. Stof en vaste materiaal wat in die Watervalrivier beland, help besoedeling aan en vernietig die reeds bedreigde voël- en water-lewe in totaliteit. Die enkelverkeer-brug op hierdie roete, het reeds oponthoude tot gevolg, wat al die bewoners in hierdie omgewing in opstand laat kom.

Na konsultasie met die Departement van Paaie het Sasol Mynbou, deur die raadgewersgroep, skriftelike toestemming verkry om soos en wanneer nodig, wel noodsaaklike skraap- en herstelwerk aan die geaffekteerde paaie te doen.

Die volume van 2 134 436 m³ waarna verwys word behels die totale jaarlikse volume vanaf al die aktiewe putte en nie slegs vanaf put nommer 3 nie.

Opgradering van die bovermelde pad (D1584) na 'n teerpad vorm deel van die eerste fase van die siviele werk waarvoor reeds aanstellings gedoen is en waarvan die eerste werk tans uitgevoer word.

'n Nuwe brug word gebou en die Swaweltjiebrug sal nie meer deel vorm van die nuwe pad nie.

Die volgende fase wat binnekort toegeken gaan word sluit onderandere die opgradering (teerpad) van die D714 vanaf die Val/Leandra teerpad (P90/1) met 'n brug oor die Standerton/Leandra teerpad (P53/2) tot by die 3E skag se afdraai waar dit by die bestaande teerpad (D237) wat deur Embalenthle loop aansluit.

Verdere beplanning sluit in die moontlike verlegging van laaste gedeelte van die D714 wat ook heelwaarskynlik geteer sal word wat ten Noorde van die vervoerband sal loop en op 'n posisie nader aan Embalenthle weer by die Standerton/Evander pad (P185/2) sal aansluit op 'n posisie wat veiliger sal wees as die huidige aansluitings punt.

Die invloed van die verkeer op die omgewingslewe langs die paaie sal deeglik bestudeer word en maatreels sal geformuleer en geïmplementeer word om seker te maak dat die vervoer langs die paaie in ooreenstemming is met aanvaarde omgewingspraktyk.

- 5) Die grondpad in 3) genoem (R547) word nie instand gehou nie. By navraag is beweer dit is die verantwoordelikheid van “Die Departement van Paaie en die projek het niks hiermee te doen nie”. Hierdie pad sal eersdaags onder konstruksie wees vir die oorgang van die Impumelelo-vervoerband wat hierdie roete 4 keer kruis. Die werknemers wat tans daaglik hierdie roedte gebruik, sal sonder enige ondersteuning van die kontrakteur of Sasol geignoreer word. Indien toestemming vir putte nommer 3, 8 en 9 toegestaan word, sal die pad onbruikbaar vir daaglikse padgebruikers word.

Toestemming vir die instandhouding van hierdie pad is ook reeds verkry van die Paaie Departement. Voorts sal hierdie pad ook geteer word soos voorheen genoem.

Die enigste gedeelte van hierdie pad wat gebruik gaan word is die gedeelte Wes van Put 3 asook 'n kruising vanaf Put 5 na die Impumelelo vervoerband. Putte 8 en 9 sal nie van hierdie pad gebruik maak nie, en dus nie padgebruikers beïnvloed nie.

- 6) Geen waarborge bestaan dat die materiaal wat vanaf hierdie putte kom, by die naaste plekke gebruik sal word nie. “The dolerite will be transported along the shortest possible route” (p350) *Ter verduideliking:* Indien put 7 se materiaal naby put 8 of 9 gebruik word (soos dit tans geskied) sal addisionele druk op die paaie geplaas word sonder dat die kontrakteur of Sasol verantwoordelikheid hiervoor sal aanvaar. Hierdie addisionele afstande op die paaie, moet ten alle tye voorkom word. “The above-mentioned borrow pits will be mined separately at different stages” bevestig hierdie aanname.

Verskillende gruislae in padbou vereis spesifieke gehaltes materiale. Hierdie verskillende gehalte materiale word ongelukkig nie in 'n enkel leengroef verkry nie en moet derhalwe van verskillende groewe aangery word. Die roetes vir die vervoer is egter soos op die meegaande kaart aangedui en behels die kortste moontlike roete na die vervoerband servituut waarna dit in die vervoerband servituut na ander gedeeltes vervoer sal word. Dit sal dus geen addisionele afstande op die paaie tot gevolg hê nie.

- 7) Oorlading, onpadwaardige-, swaar- vragmotors en onbedagsame swaarvoertuigbestuurders, maak hierdie paaie daaglik 'n lewensgevaarlike rit om by die werkplek te kom.

Alle konstruksievoertuie, groot toerusting, bakkies en sedan motors wat op die projek werk word vooraf goedgekeur en voorsien van 'n unike plakker deur die verantwoordelike ingenieur op terrein. Alle konstruksievoertuie is ook onderworpe aan 'n instandhoudings skedule wat deur die projekspan gemoniteer word. Volledige voorgebruik inspeksies word daaglik gedoen.

- 8) Die verwagte 4jaar wat hierdie projek materiaal aan die ander 2 projekte (Shondoni en Impumelelo) sal voorsien, maak dit onmotiveerbaar indien die volgende in ag geneem word:

- Ontwrigting van die natuurlewe
- Druk op padgebruikers en paaie
- Ontwrigting van boerderygemeenskap
- Verskuiwing van materiaal en
- Lewensgevaar (Risiko aan lewens)
- Beskikbare ander alternatiewe

Al die bostaande aspekte sal tydens die Omgevings Inpak Studie (EIA) ondersoek word.

Die antwoord wat tydens die vergadering verskaf is ("Die materiaal kan vanaf ander bronne verkry word indien die lisensie nie toegestaan word nie") maak die toestaan van hierdie lisensie nog meer onvanpas. Ons wil dus die departement van mineraalregte versoek om ons voorstelle ernstig te oorweeg sodat ander landsburgers se belange ook beskerming sal geniet. Verder moet daar dringend 'n ondersoek geloods word na die huidige toestand van sake. ***Ek is van mening dat die huidige putte reeds ontgin word sonder die nodige toekennings en dat volumes reeds by sekere putte oorskrei word.***

Wat belangrik is om op te let is dat die nege leengroewe waarvoor aansoek gedoen word die naaste bronne van dolerietgruis aan die ontwikkeling van die Sasol Mynbou aktiwiteite is. Enige voorsiening van alternatiewe bronne van hierdie materiaal sal dus daarop neerkom dat vervoer ekstensief meer van publieke paaie gebruik sal moet maak om die materiaal by hul bestemming te kry. Dit is dus onwaarskynlik dat daar 'n beter alternatief sal bestaan spesifiek nou met verwysing na die paggebruiksperspektief.

Goedkeurings (mining permits) is wel van die DMR verkry vir die ontginning van kleiner areas binne die omlynings van die voorgenome putte, asook vir areas ander dan die voorgenome putte. Volledige besonderhede van hierdie magtigings is beskikbaar vanaf SMRD (Sasol Mining Rights Department). Huidige ontginning word gedoen in terme van hierdie magtigings.

B. VOORSTELLE:

- 1) Verskuif hierdie projek tot **nadat die infrastruktuur opgegradeer is** en neem sodoende die padgebruikers in ag. Die infrastruktuur moet voorrang geniet weens die moontlikheid van lewensverlies en die redes reeds verskaf.

Die dolerietgruis word inderdaad ook benodig vir die opgradering van die paaie soos uiteengesit. Aanstellings is reeds gedoen vir van die opgraderingswerk.

- 2) Beperk die materiaalvervoer en padgebruik tot 'n aanvaarde hoeveelheid tonne per dag. Die moontlikheid van 2,134,436 m² is onrealisties en neem geensinds die huidige infrastruktuur in ag nie.

Die volume materiaal word bepaal deur die behoeftes van die projek. Beperking op die leweringskedere sal die projekperiode bykomend verleng.

- 3) Monitor die hoeveelheid materiaal vanaf 'n spesifieke put tot die aflaaipunt. Swaar boetes vir oortredings moet gehef word. Net die toegelate hoeveelheid per put/dag moet aanvaar word.

Mynbou sal geskied volgens die beraamde produksietempo en in ooreenstemming met die voorwaardes van die mynboulisensie.

- 4) Luister na die klagtes van inwoners sodat opstande, skade en ontwrigtings nie later plaasvind nie.

JMA en Sasol Mynbou is verbind tot deurlopende en effektiewe kommunikasie met alle belanghebbendes (I&AP's).

- 5) Lig die inwoners en veral die grondeienaars in hierdie omgewing in omtrent die ontwrigting wat mag volg. Ken hulle en wees eerlik omtrent die volumes.

Die publieke deelname proses wat tans deur JMA vir hierdie projek gevolg word het juis hierdie oogmerke.

- 6) Die boere wat geldelik vergoeding ontvang, is nie die enigste wat hierdeur geraak word nie!

Alle grondeienaars in die gebied is geregistreer op die Publike Deelname Databasis.

- 7) Die veiligheid van die omgewing het drasties versleg vanaf die begin van die Impumeleloprojek. Ondersteun die boeregemeenskap hierin.

Ons kan tans geen kommentaar hierop lewer nie aangesien ons nie tans oor enige toepaslike inligting beskik nie. Sasol Mynbou het wel maatreels in plek vir die identifisering van alle projekpersoneel, insluitende alle kontrakteurs wat in die gebied en op die projek werk. Alle voertuie moet duidelik gemerk wees sodat hulle identifiseer kan word.

Ek hoop hierdie versoek geniet die konsultante se aandag.

Plaas: Klipdrift

Ons hoop dat ons terugvoer op u opmerkings, kommentaar en voorstelle meer duidelikheid verskaf en dat u meer gemoedsrus sal ervaar rakend die projek. U opmerkings en ons antwoorde daarop word ook in die formele Publieke Deelname Register vervat wat deel uitmaak van ons voorlegging aan die owerhede. Indien u verkies dat ons die saak verder persoonlik met u bespreek, kan u ons gerus kontak om so 'n vergadering te reel. Ons onderneem voorts om u volledig op hoogte te hou van die vordering met ons projek. U kan gerus ook direk aan die owerhede u kommentaar voorle indien ou sou voel dat ons nie volledig en tot u bevrediging met die saak handel nie.

Jasper Muller (Pr.Sci.Nat.)

JMA Consulting (Pty) Ltd

23 Mei 2012

**ENVIRONMENTAL IMPACT ASSESSMENT
PROCESS**

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



Contact: Jasper Müller
JMA Consulting (Pty) Ltd
P.O. Box 883
Delmas, 2210



Phone: (013) 665 1788
Fax: (013) 665 2364

**INTERESTED AND AFFECTED PARTY REGISTRATION
& INVITATION TO COMMENT
MARCH 2012**

E-mail: jasper@jmaconsult.co.za

Please complete and return to the Address indicated above.

TITLE	MR.	FIRST NAME	ATTIE
INITIALS	J.A. JANIKOWITZ	SURNAME	JANIKOWITZ
ORGANISATION		E-MAIL ADDRESS	janikowitz@secunda.co.za
POSTAL ADDRESS	POSBUS 1820 SECUNDA 2302		
POSTAL CODE	2302	CELL PHONE NO	082 4650 232
TEL NO	082 4650 232	FAX NO	086 7161839

REGISTRATION AS INTERESTED AND AFFECTED PARTY (Please tick the applicable box)

Please formally register me as an Interested and Affected Party (I&AP) so that I may receive further information and notifications during the Environmental Impact Assessment Process	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
	I would like notifications by	
	Letter (Mail)	
	Email <input checked="" type="checkbox"/>	
	Fax	
	Telephone	

In Terms of Regulation 56(1) c. of GNR 543 (EIA process regulations) I disclose below any direct business, financial, personal, other interest that I may have in the approval or refusal of this application: PLAAS EIENAAR KLIPDRIFT

COMMENTS (Please make use of the additional sheet if more space is needed for comments)

I suggest that the following issues be addressed during the Scoping Phase of the Environmental Impact Assessment

- 1) SPREEK ook PERSONE IN AFRIKAANS AAN
- 2) Besprek met Waterkorp FORUM
- 3) Besprek met Boete as in groep!

Any other comments

Please ask the following friends/colleagues to register as I&APs for this Environmental Impact Assessment

Signature

29.03.2012
Date

WE THANK YOU FOR YOUR CONTRIBUTION

Please be assured that your comments will be formally registered and be included as part of the Final Documentation that will be submitted to Relevant authorities.

Receivd

Jasper Muller

From: Van den Heuvel, Bruce (B) <bruce.vandenheuvel@sasol.com>
Sent: 30 March 2012 10:35 AM
To: Jasper Muller
Subject: FW: Borrow Pits
Attachments: 20120330103810167.tif

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**ENVIRONMENTAL IMPACT ASSESSMENT
PROCESS**

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

**INTERESTED AND AFFECTED PARTY REGISTRATION
& INVITATION TO COMMENT
MARCH 2012**



Contact: Jasper Müller
JMA Consulting (Pty) Ltd
P.O. Box 883
Delmas, 2210



Phone: (013) 665 1788
Fax: (013) 665 2364

E-mail: jasper@jmaconsult.co.za

Please complete and return to the Address indicated above.

TITLE	Mr	FIRST NAME	Bruce
INITIALS	B	SURNAME	van den Heuvel
ORGANISATION	Sasol Gas	E-MAIL ADDRESS	bruce.vandenheuvel@
POSTAL ADDRESS	P.O. Box 1224	Sasol.com	
POSTAL CODE	Randburg 2129	CELL PHONE NO	082 450 2822
TEL NO	011 856 8563	FAX NO	011 865 8591

REGISTRATION AS INTERESTED AND AFFECTED PARTY (Please tick the applicable box)

Please formally register me as an Interested and Affected Party (I&AP) so that I may receive further information and notifications during the Environmental Impact Assessment Process	YES	NO
	Letter (Mail)	
	<input checked="" type="checkbox"/>	Email
		Fax
		Telephone

I would like notifications by

In Terms of Regulation 56(1) c, of GNR 543 (EIA process regulations) I disclose below any direct business, financial, personal, other interest that I may have in the approval or refusal of this application:

COMMENTS (Please make use of the additional sheet if more space is needed for comments)

I suggest that the following issues be addressed during the Scoping Phase of the Environmental Impact Assessment

None of the 9 Borrow Pits will not be affected with the Pipelines between Secunda & Sasolburg.

Any other comments

If there are any New Access Roads, that will cross the Pipelines, then a Wayleaves must be applied from Sasol Gas.

Please ask the following friends/colleagues to register as I&APs for this Environmental Impact Assessment

Transnet Pipelines (Petronet) all so have Pipelines close to our pipelines. : Jeff.Scrooby@transnet.net.

Signature

WE THANK YOU FOR YOUR CONTRIBUTION

30/03/2012

Date

Please be assured that your comments will be formally registered and be included as part of the Final Documentation that will be submitted to Relevant authorities.

Response

Jasper Muller

From: Jasper Muller
Sent: 30 March 2012 11:53 AM
To: 'Van den Heuvel, Bruce (B)'
Subject: RE: Borrow Pits

Hallo Bruce,

Thank for the valuable comments - they will be recorded in the formal Comments and Response Register.

We take note of the contents thereof and will discuss it with the Sasol Mining project team.

Regards

Jasper Müller

JMA Consulting (Pty) Ltd
P O Box 883
DELMAS
2210
Tel: +27 13 665 1788
Fax: +27 13 665 2364
Cellphone: +27 82 495 0169

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-----Original Message-----

From: Van den Heuvel, Bruce (B) [<mailto:bruce.vandenheuvel@sasol.com>]
Sent: 30 March 2012 10:35 AM
To: Jasper Muller
Subject: FW: Borrow Pits

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APPENDIX 3.2(L)
ISSUES, COMMENTS AND RESPONSE
REGISTER

SASOL MINING BORROW PITS (SMBP)

ISSUES, COMMENTS AND RESPONSE REGISTER

Authority Meetings:		
Department of Economic Development, Environment and Tourism (DEDET)		
6 March 2012		
NAME	COMPANY	ISSUES/CONCERNS RAISED
Bheki Mndawe	DEDET	<p>RESPONSE FROM JMA</p> <ol style="list-style-type: none"> EIA required for both NEMA and MPRDA applications. Public Participation required for NWA application. Combined process is acceptable. Confirmation of Listed Activities – include and remove later if unsure. DEDET will confirm which Farms are covered by C-Plan JMA to provide Farm names/numbers. Scoping and EIA required due to Water Uses Identified which triggers Activity 5 in GNR 545.
		<p>ISSUES/CONCERNS RAISED</p> <ol style="list-style-type: none"> Synoptic Project Description of Sasol Mining Borrow Pits Project. Applications in terms of NEMA, MPRDA and NWA. Combination of Process for all three Authorities. Relevant Listed Activities Identified in GNR 544, 545 and 546. Study Area Covered in Mpumalanga C-Plan. Scoping and EIA Process.
		<p>RESPONSE FROM JMA</p> <ol style="list-style-type: none"> Confirmation that this was a new Sasol Mining Project. Alignment with NEMA and MPRDA processes found acceptable.
DWA Gauteng Region		
22 March 2012		
NAME	COMPANY	ISSUES/CONCERNS RAISED
Flora Mamabola Joyce Lekoane Nandi Madlala Paul Meulenbeld	DWA:Gauteng DWA:Gauteng DWA:Gauteng DWA: Head Office	<p>ISSUES/CONCERNS RAISED</p> <ol style="list-style-type: none"> Synoptic Project Description of Sasol Mining Borrow Pits Project. Alignment of Applications in terms of NEMA, MPRDA and NWA.

		<p>3. Combination of Public Participation Process for all three Authorities.</p> <p>4. Identification/Confirmation of Water Uses</p> <p>5. Requirements for Reserve Determination.</p> <p>6. Aspects related to Investigation, Consultation and Information Requirements.</p> <p>7. Risk Classification of Activity.</p> <p>8. Documentation and Comments for other Processes (EIA)</p>	<p>3. Public Participation required for NWA application – combine with other.</p> <p>4. Water Uses Confirmed – section 21(c); 21(f); 21(g) and 21(i). Possible GA’s depending on later details. GN 704 to be included.</p> <p>5. DWA will request Reserves.</p> <p>6. JMA fully aware of investigation, consultation and information requirements – application forms, supplementary information, IWWMP template, WULA report.</p> <p>7. JMA to support DWA Risk Determination Model with required input information and to compile provisional risk model. DWA will confirm the Risk Assessment.</p> <p>8. DWA requires 4 hard copies of EIA Information for review and comment. JMA can submit info directly with DEDET and DMR approval.</p>
Public Meetings			
29 March 2012			
NAME	COMPANY	ISSUES/CONCERNS RAISED	RESPONSE FROM JMA
Attie Jankowitz	Community	<p>1. How this project will affect the Mpumelelo Project?</p> <p>2. The cumulative impact of all of the individual projects being conducted in the area and that these cumulative impacts are becoming unbearable for the local community and that they are beginning to feel smothered.</p>	<p>1. This would be an entirely new and separate project that will among others provide the Mpumelelo Project with the necessary materials for construction.</p> <p>2. The cumulative impact of this project will specifically be addressed in the Environmental Impact Assessment Report</p>

	<p>3. Post approval communication with affected landowners of all the different projects in the area left a lot to be desired and are non-existent.</p> <p>4. He complained that the meeting was only conducted in English when the majority of the people attending the meeting could understand Afrikaans</p> <p>5. He asked to get a hard copy of the document as it is difficult and expensive for farmers in the area to download and print the documents received via email</p> <p>6. Wanted closer cooperation from this project as the previous ones conducted in the area as they feel that some of the current construction activities taking place in the area now are not according to what was said beforehand.</p> <p>7. He asked where exactly will these borrow pits be located and how do they know that their localities will not change after approval</p> <p>8. Road transport was a major concern for the local community in the area and at times dangerous with inconsiderate driving by construction vehicles.</p> <p>9. Asked whether the Mpumelelo Project will be delayed if this project does not proceed.</p>	<p>3. JMA suggested that all the local landowners that have the same concerns as Mr Jankowitz be accommodated and consulted during a focus group meeting in order to ensure that everybody has the opportunity to take part in this process.</p> <p>4. The meeting was started in Afrikaans but switched to English when attendees arrived that were not as comfortable with the Afrikaans language, in order to accommodate as many people as possible.</p> <p>5. Electronic copies are readily available for distribution, hard copies are available at public libraries but a plan can be made to provide I&AP's with hard copies as well.</p> <p>6. JMA undertook to conduct comprehensive public participation and to organize focus group meetings if required.</p> <p>7. JM said that some of the information Mr Jankowitz requested is already available in the documentation and acknowledged that some changes to this information may still take place but it will not be major changes rather small changes to increase effective management of to borrow pits.</p> <p>8. JMA noted this concern. A meeting will be set up with the project team to discuss the road transport situation.</p> <p>9. Authorisation has already been granted for some smaller pits but if Sasol cannot source dolerite from the bigger pits the material will have to be bought from an external source.</p>
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	10. Requested meeting with Waterval Forum	10. An email will be send to the chairman of the Waterval Forum to inform them of the project and to enquire whether they would like to be consulted as a separate focus group.
	11. Requested meeting with Farmers as a group	11. All relevant landowners (farmers) will be consulted by the Sasol Mining Rights and Properties Department. All other farmers in the area were notified of the project and were invited to the meeting.
E-mail correspondence		
29 March 2012		
E-mail received and commented 11 April 2012 by JMA		
NAME	COMPANY	RESPONSE FROM JMA
Attie Jankowitz	Farm Owner	Formele terugvoer op besware en voorstelle word in die "Issues, Concerns and Response Register", wat 'n bylaag is tot die "Final Scoping Report & Plan of Study" is, beantwoord. Hierdie finale verslag, wat alle kommentaar aanspreek wat tydens die publieke oorwegingsperiode van 30 Maart 2012 tot 8 Mei 2012 ontvang is, word binnekort aan die owerhede oorhandig. U sal in kennis gestel word wanneer dit gebeur en waar 'n afskrif van die finale verslag beskikbaar sal wees. U het dan weer die geleentheid om kommentaar te lewer direk aan die owerhede.
	<p><u>A. SASOL "BORROW PITS PROJECT"</u> besware teen voorgestelde ligging van putte en gebruik van gebrekkige infrastruktuur (pad verkeer):</p> <p>Die ligging van die verskillende putte plaas die huidige gebrekkige padnetwerk onder nog groter druk. Die pad na Bosmanfontein (wat nie naastenby hierdie volume verkeer dra nie, is deur Sasol opgradeer terwyl hierdie omgewing ignoreer word. Geen behoorlike padnetwerk bestaan tans vanaf Secunda/Evander/Embalenchle na Roodebank nie. Werknemers vanaf Secunda, wat in die Roodebankomgewing woon, word verplig om onder haaglike omstandighede 'n addisionele 20km ompad te ry (tot 4 maal per dag). Die rege van hierdie padgebruikers, word in totaliteit misken.</p>	<ul style="list-style-type: none"> Die putte se liggings word grotendeels bepaal deur die teenwoordigheid al dan nie van geskikte dolerietgruis materiaal. Nadat geskikte materiaal geïdentifiseer is, en in die lig van hoë vervoerkostes, is die putte voorts so naby as moontlik aan, en soveel as moontlik langs, die roetes van die vervoerbande gekies. Daar is dus nie geskikte materiaal nader aan die vervoerbande nie, wat impliseer dat die omvang van padvervoer van die materiaal geminimeer is. Sasol Mynbou gaan wel die paaie tussen Secunda en the Impumelelo skag opgradeer as deel van die Impumelelo projek en hierdie omgewing word dus geensins geïgnoreer. Sasol erken dus wel die belange van die

			padgebruikers in die omgewing.
	Die volgende roetes word direk hierdeur geraak: 1) Die teerpad tussen Leandra en Standerton (R518) is onder konstruksie (reeds vir 4 jaar) en dit sal (volgens beplanning) in Desember vir padgebruikers beskikbaar wees. Indien addisionele verkeer hierop toegelaat word, sal vrugmotors (meer as tans) gewone verkeer totaal ontwrig. Hierdie roete word deurlopend, tot 4 keer per dag, deur inwoners gebruik. Met die huidige 4 stop-ry beheerpunte, word die regte van die padgebruikers hier reeds misken.		<ul style="list-style-type: none"> • Geen vervoer van dolerietgruis vanaf enige van die leengroeue, na enige van die twee vervoerbande sal op hierdie pad plaasvind, of selfs hierdie pad kruis nie. Die Impumelelo vervoerband kruis hierdie pad onderdeur op een plek met 'n duikweg. Dolerietgruis kan van weerskante by hierdie punt uitkom sonder om bo-op die pad te kom. Sien die aangehegde kaart met die voorgestelde vervoer roetes.
	2) Die teerpad vanaf Evander na Standerton. By die aansluiting van die R547 grondpad, is dit lewens gevaarlik. Hoë volumes verkeer word hier bevind en die aansluiting is nie ontwerp om sulke verkeer te hanteer nie. Hierdie teerpad is ook die roete na Sasol vanaf die projekte en die toegang wat in punt 5.14.1 (p350) beskryf word.		<ul style="list-style-type: none"> • Hierdie aansluiting sal wel vervoer van dolerietgruis dra vanaf Groef 3 na die Impumelelo vervoerband. Die alternatief is om die gruis vanaf Groef 3 ooswaarts na die R50 te neem, 'n minder gunstige opsie aangesien die R50 hoogs waarskynlik 'n besiger pad as die R547 is.
	3) <i>“The only secondary public road expected to carry any trucks related to the dolerite Borrow Pits. Dolerite from Pit 3 on its way to Impumelelo Conveyor will be transported over a distance of some 2.5km along this road”</i> . Hierdie grondpad kruis die vervoerband 4keer. Daar is geen onderhoudsooreenkoms in plek nie. Ek voorsien dat die kontrakteur sal poog om hierdie roete te sluit. Dit mag geensindigs toegelaat word nie!		<ul style="list-style-type: none"> • Die vervoerband word met duikweë onderdeur alle paaie geneem. Na konsultasie met die Departement van Paaie het Sasol Mynbou, deur die raadgeversgroep, skriftelike toestemming verkry om soos en wanneer nodig, wel noodsaaklike skraap- en herstel-werk aan die geaffekteerde paaie te doen. Geen paaie sal gesluit word nie.
	4) Die grondpad (R547)(D714) tussen 1 en 2 hierbo. Hierdie pad bevat 'n enkellaanbrug (“Swaweltjiebrug”) wat nie vir vrugmotors van 10 m ² ontwerp is nie. Hierdie grondpad, vanaf die R547 tot by die Balfourteerpad (R527) word geensindigs instand gehou nie. Die materiaal wat vanaf put nommer 3 (2,134,436 m ² of 213,443.6 vragte van 10 m ² elk) sal volgens u studie op hierdie roete vervoer moet word wat dit ondraaglik vir enige bewoner in hierdie omgewing sal maak. Stof en vaste materiaal wat in die Watervalrivier beland, help besoeiding aan en vernietig die reeds		<ul style="list-style-type: none"> • Na konsultasie met die Departement van Paaie het Sasol Mynbou, deur die raadgeversgroep, skriftelike toestemming verkry om soos en wanneer nodig, wel noodsaaklike skraap- en herstel-werk aan die geaffekteerde paaie te doen. • Die volume van 2 134 436 m³ waarna verwys word behels die totale jaarlikse volume vanaf al die aktiewe putte en nie slegs vanaf put nommer 3 nie. • Opgradering van die bovermelde pad (D1584) na 'n teerpad vorm deel van die eerste fase van die siviele

		<p>bedreigde voël- en water-lewe in totaliteit. Die enkelverkeer-brug op hierdie roete, het reeds oponthoude tot gevolg, wat al die bewoners in hierdie omgewing in opstand laat kom.</p>	<p>werk waarvoor reeds aanstellings gedoen is en waarvan die eeste werk tans uitgevoer word.</p> <ul style="list-style-type: none"> • 'n Nuwe brug word gebou en die Swaweltjiebrug sal nie meer deel vorm van die nuwe pad nie. • Die volgende fase wat binnekort toegeken gaan word sluit onderandere die opgradering (Teerpad) van die D714 vanaf die Val/Leandra teerpad (P90/1) met 'n brug oor die Standerton/Leandra teerpad (P53/2) tot by die 3E skag se afdraai waar dit by die bestaande teerpad (D237) wat deur Embalenthle loop aansluit. • Verdere beplanning sluit in die moontlike verlegging van laaste gedeelte van die D714 wat ook heelwaarskynlik geteer sal word wat ten Noorde van die vervoerband sal loop en op 'n posisie nader aan Embalenthle weer by die Standerton/Evander pad (P185/2) sal aansluit op 'n posisie wat veiliger sal wees as die huidige aansluitings punt. • Die invloed van die verkeer op die omgewingslewe langs die paaie sal deeglik bestudeer word en maatreels sal geformuleer en geïmplimenteer word om seker te maak dat die vervoer langs die paaie in ooreenstemming is met aanvaarde omgewingspraktyk.
	<p>5)</p>	<p>Die grondpad in 3) genoem (R547) word nie instand gehou nie. By navraag is beweer dit is die verantwoordelikheid van "Die Departement van Paaie en die projek het niks hiermee te doen nie". Hierdie pad sal eersdaags onder konstruksie wees vir die oorgang van die Impumelelo- vervoerband wat hierdie roete 4 keer kruis. Die werknemers wat tans daaglik hierdie roete gebruik, sal sonder enige ondersteuning van die kontrakteur of Sasol geïgnoreer word. Indien toestemming vir putte nommer 3, 8 en 9 toegestaan word, sal die pad onbruikbaar vir daaglikse padgebruikers word.</p>	<ul style="list-style-type: none"> • Toestemming vir die instandhouding van hierdie pad is ook reeds verkry van die Paaie Departement. Voorts sal hierdie pad ook geteer word soos voorheen genoem. • Die enigste gedeelte van hierdie pad wat gebruik gaan word is die gedeelte Wes van Put 3 asook 'n kruising vanaf Put 5 na die Impumelelo vervoerband. Putte 8 en 9 sal nie van hierdie pad gebruik maak nie, en dus nie padgebruikers beïnvloed nie.
	<p>6)</p>	<p>Geen waarborge bestaan dat die materiaal wat vanaf hierdie putte kom, by die naaste plekke gebruik sal word nie. "The dolerite will be transported along the shortest possible</p>	<ul style="list-style-type: none"> • Verskillende gruislae in padbou vereis spesifieke gehaltes materiale. Hierdie verskillende gehalte materiale word ongelukkig nie in 'n enkel leengroef verkry nie en

	<p>route" (p350) <i>Ter verduideliking</i>: Indien put 7 se materiaal naby put 8 of 9 gebruik word (soos dit tans geskied) sal addisionele druk op die paaie geplaas word sonder dat die kontrakteur of Sasol verantwoordelikheid hiervoor sal aanvaar. Hierdie addisionele afstande op die paaie, moet ten alle tye voorkom word. "<i>The above-mentioned borrow pits will be mined separately at different stages</i>" bevestig hierdie aanname.</p>	<p>moet derhalwe van verskillende groewe aangery word. Die roetes vir die vervoer is egter soos op die meegaande kaart aangedui en behels die kortste moontlike roete na die vervoerband servituut waarna dit in die vervoerband servituut na ander gedeeltes vervoer sal word. Dit sal dus geen addisionele afstande op die paaie tot gevolg hê nie.</p>
7)	<p>Oorlading, onpadwaardige-, swaar- vragmotors en onbedagsame swaarvoertuigbestuurders, maak hierdie paaie daaglik 'n lewensgevaarlike rit om by die werkplek te kom.</p>	<ul style="list-style-type: none"> • Alle konstruksievoertuie, groot toerusting, bakkies en sedan motors wat op die projek werk word vooraf goedgekeur en voorsien van 'n unieke plakker deur die verantwoordelike ingenieur op terrein. Alle konstruksievoertuie is ook onderworpe aan 'n instandhoudings skedule wat deur die projekspan gemoniteer word. Volledige voorgebruik inspeksies word daaglik gedoen.
8)	<p>Die verwagte 4jaar wat hierdie projek materiaal aan die ander 2 projekte (Shondoni en Impumelelo) sal voorsien, maak dit onmotiveerbaar indien die volgende in ag geneem word:</p> <ul style="list-style-type: none"> o Ontwrigting van die natuurlewe o Druk op padgebruikers en paaie o Ontwrigting van boerderygemeenskap o Verskuiwing van materiaal en o Lewensgevaar (Risiko aan lewens) o Besikkbare ander alternatiewe 	<ul style="list-style-type: none"> • AI die bostaande aspekte sal tydens die Omgewings Inpak Studie (EIA) ondersoek word.
	<p>Die antwoord wat tydens die vergadering verskaf is ("Die materiaal kan vanaf ander bronne verkry word indien die lisensie nie toegestaan word nie") maak die bestaan van hierdie lisensie nog meer onvanpas. Ons wil dus die departement van mineraalrege versoek om ons voorstelle ernstig te oorweeg sodat ander landsburgers se belange ook beskerming sal geniet. Verder moet daar dringend 'n ondersoek geloods word na die huidige toestand van sake. <i>Ek is van mening dat die huidige putte reeds</i></p>	<ul style="list-style-type: none"> • Wat belangrik is om op te let is dat die nege leengroewe waarvoor aansoek gedoen word die naaste bronne van dolerietgruis aan die ontwikkeling van die Sasol Mynbou aktiwiteite is. Enige voorsiening van alternatiewe bronne van hierdie materiaal sal dus daarop neerkom dat vervoer ekstensief meer van publieke paaie gebruik sal moet maak om die materiaal by hul bestemming te kry. Dit is dus onwaarskynlik dat daar 'n beter alternatief sal bestaan

		<p><i>ontgin word sonder die nodige toekennings en dat volumes reeds by sekere putte oorskrei word.</i></p>	<p>spesifiek nou met verwysing na die pagedebruikspespektief.</p> <ul style="list-style-type: none"> • Goedkeurings (mining permits) is wel van die DMR verkry vir die ontginning van kleiner areas binne die omlinings van die voorgenome putte, asook vir areas ander dan die voorgenome putte. Volledige besonderhede van hierdie magtigings is beskikbaar vanaf MRPD (Sasol Mining Rights Department). Huidige ontginning word gedoen in terme van hierdie magtigings.
	<p>B. VOORSTELLE:</p> <p>1) Verskuif hierdie projek tot nadat die infrastruktuur opgegradeer is en neem sodoende die pagedebruikers in ag. Die infrastruktuur moet voorrang geniet weens die moontlikheid van lewensverlies en die redes reeds verskaf.</p>	<ul style="list-style-type: none"> • Die dolerietgruis word inderdaad ook benodig vir die opgradering van die paaië soos uiteengesit. Aanstellings is reeds gedoen vir van die opgraderingswerk. 	
	<p>2) Beperk die materiaalvervoer en padgebruik tot 'n aanvaarde hoeveelheid tonne per dag. Die moontlikheid van 2,134,436 m² is onrealisties en neem geensind die huidige infrastruktuur in ag nie.</p>	<ul style="list-style-type: none"> • Die volume materiaal word bepaal deur die behoeftes van die projek. Beperking op die leweringskedule sal die projekperiode verleng. 	
	<p>3) Monitor die hoeveelheid materiaal vanaf 'n spesifieke put tot die aflaai punt. Swaar boetes vir oortredings moet gehef word. Net die toeglate hoeveelheid per put/dag moet aanvaar word.</p>	<ul style="list-style-type: none"> • Mynbou sal geskied volgens die beraamde produksietempo en in ooreenstemming met die voorwaardes van die mynboulisensie. 	
	<p>4) Luister na die klagtes van inwoners sodat opstande, skade en ontwrigtings nie later plaasvind nie.</p>	<ul style="list-style-type: none"> • JMA en Sasol Mynbou is verbind tot deurlopende en effektiewe kommunikasie met all belanghebbendes (I&AP's). 	
	<p>5) Lig die inwoners en veral die grondeienaars in hierdie omgewing in omtrent die ontwrigting wat mag volg. Ken hulle en wees eerlik omtrent die volumes.</p>	<ul style="list-style-type: none"> • Die publieke deelname proses wat tans deur JMA vir hierdie projek gevolg word het juis hierdie oogmerke. 	
	<p>6) Die boere wat geldelik vergoeding ontvang, is nie die enigste wat hierdeur geraak word nie!</p>	<ul style="list-style-type: none"> • Alle grondeienaars in die gebied is geregistreer op die Publieke Deelname Databasis. 	

	7) Die veiligheid van die omgewing het drasties versleg vanaf die begin van die Impumeleloprojek. Ondersteun die boeregemeenskap hierin.	<ul style="list-style-type: none"> Ons kan tans geen kommentaar hierop lewer nie aangesien ons nie tans oor enige toepaslike inligting beskik nie. Sasol Mynbou het wel maatreels in plek vir die identifisering van alle projekpersoneel, insluitende alle kontrakteurs wat in die gebied en op die projek werk. Alle voertuie moet duidelik gemerk wees sodat hulle identifiseer kan word. Ons hoop dat ons terugvoer op u opmerkings, kommentaar en voorstelle meer duidelikheid verskaf en dat u meer gemoedsrus sal ervaar rakend die projek. U opmerkings en ons antwoorde daarop word ook in die formele Publieke Deelname Register vervat wat deel uitmaak van ons voorlegging aan die owerhede. Indien u verkies dat ons die saak verder persoonlik met u bespreek, kan u ons gerus kontak om so 'n vergadering te hou van die vordering met ons projek. U kan gerus ook direk aan die owerhede u kommentaar voorle indien ou sou voel dat ons nie volledig en tot u bevrediging met die saak handel nie.
E-mail sent 30 March 2012 by Bruce van den Heuvel		
E-mail received and commented 30 March 2012 by JMA		
NAME	COMPANY	ISSUES/CONCERNS RAISED
Bruce van den Heuvel	Sasol Gas	<ol style="list-style-type: none"> None of the 9 Borrow Pits will be affected with the pipelines between Secunda and Sasolburg. If there are any new access roads that will cross the pipelines, then a way leaves must be applied from Sasol Gas.
		RESPONSE FROM JMA <ol style="list-style-type: none"> It was noted that none of the borrow pits will affect the pipe lines. The Sasol Mining Project team will be informed of the requirements for way leaves.