

MINUTES OF PUBLIC MEETING

Date: 27 January 2016
Time: 14h00
Venue: Sasol Mining Centre, on R546 near Brandspruit main shaft complex.
Purpose: To provide feedback to I&APs¹ on the Sasol Mining – Impumelelo Mine Extension Project, Draft Scoping Report and to provide them with an opportunity to ask questions about the project and indicate their concerns.
Facilitator: Natalie Lubbe

Present: Refer to the attached the complete signed attendance register for the details of all attendees (refer to **Appendix A** of these minutes).

Table 1: Meeting Attendees

Name	Surname	Affiliation
Emile	Blaauw	Private
Sonja	Cilliers	Farmer
Emil	Cilliers	Farmer
Pieter	Coetzee	Sasol Mining (Pty) Ltd.
Anneke	Conradie	Sasol Mining (Pty) Ltd.
Paul	Cronje	Sasol Mining (Pty) Ltd.
Rio	Kgatlhe	Sasol Mining (Pty) Ltd.
Gerrit	Kotze	Sasol Mining (Pty) Ltd.
Herman	Kriel	Goldi
Natalie	Lubbe	CSEC ²
Bheki	Mndawe	Sasol Mining (Pty) Ltd.
Sibongile	Mnisi	CSEC
Masimphiwe	Ntlathi	Community
Blanche	Postma	CSEC
Vusi	Radebe	Community
Hennie	Schoeman	Sasol Mining (Pty) Ltd.
Rene	Singh	CSEC
Sonja	Van de Giessen	CSEC
Reghardt	Van de Merwe	Sasol Mining (Pty) Ltd.
Sarel	Van Heerden	Farmer
Jan	Wessels	Farmer

Note: It should be noted that the minutes is not intended as a verbatim transcript of comments or discussion that took place during the meeting, but rather a summary of discussions and action items.

¹ I&APs: Interested and Affected Parties.

² CSEC: Clean Stream Environmental Consultants (Pty) Ltd.

1. Opening of the meeting:

Natalie Lubbe welcomed all to the Sasol Mining (Pty) Ltd. Impumelelo Mine Extension public meeting.

Natalie Lubbe asked if everyone had a copy of the Meeting Agenda, the BID³ and had signed the attendance register.

2. Welcome & Introduction:

Pieter Coetzee welcomed everyone to the meeting on behalf of Sasol Mining (Pty) Ltd. and said that the purpose of the meeting was to clarify the proposed Impumelelo Extension Project, and to provide an opportunity for I&APs to give feedback on the proposed project or request more information on the project.

Natalie Lubbe introduced the CSEC representatives who are the independent Environmental Assessment Practitioners for the Sasol Mining (Pty) Ltd. Impumelelo Mine Extension Project. The following CSEC representatives were in attendance:

- **Natalie Lubbe:** Director, Project Manager, for the Impumelelo Mine Extension Project.
- **Sonja van de Giessen:** Environmental Scientist.
- **Blanche Postma:** Managing Director. Assisting with the translations for the meeting.
- **Sibongile Mnsi:** Assisting with the translations for the meeting.
- **Rene Singh:** Environmental Scientist.

Natalie Lubbe requested that each of the representatives of Sasol Mining (Pty) Ltd introduce themselves. The meeting was attended by the following Sasol Mining (Pty) Ltd. representatives:

- **Reghardt van der Merwe:** Business Planning Manager for Brandspruit and will be moving to Impumelelo Mine.
- **Pieter Coetzee:** Acting General Manager for Brandspruit and will be moving to Impumelelo Mine.
- **Bheki Mndawe:** Environmental Specialist for Sasol Mining (Pty) Ltd.
- **Rio Kgatle:** Mining Rights Division from Sasol Mining (Pty) Ltd.
- **Paul Cronje:** Mining Rights Division from Sasol Mining (Pty) Ltd.
- **Anneke Conradie:** Mining Rights Division from Sasol Mining (Pty) Ltd.
- **Hendrik Schoeman:** Communication with Landowners for Sasol Mining (Pty) Ltd.

3. Objectives of the meeting, and Rules & Procedures to be followed:

Natalie Lubbe informed all members present that the purpose of the meeting was to provide all I&APs with a better insight and understanding into the proposed project and enable I&APs the ability to participate the project process. The rules of the meeting were as follows:

- Attendees were made aware that the presentations would be presented first, and then followed by questions and answers. Any attendee who wished to ask a question was requested to clearly state their name and the organisation which the attendee represented before their question was asked.
- **Natalie Lubbe** requested that all questions were directed through her, as the facilitator, who would then request the appropriate representative to respond to each question.
- Questions should relate to the project at hand only.
- Every attendee would be given the opportunity to speak during the questions and answers session after the presentation.
- **Natalie Lubbe** reminded the attendees to complete the attendance register.
- All attendees were requested to switch off their cellphones.
- Directions were given to the toilets at the venue.

³ BID: Background Information Document.

- The nearest exits were pointed out in case of an emergency.

4. Project overview and Environmental Authorisation processes

Natalie Lubbe introduced Reghardt van der Merwe to give an introduction to the Existing Impumelelo Mine.

Reghardt van der Merwe made use of a Power Point presentation to introduce the project to the meeting attendees. A copy of this presentation is attached to these minutes as **Appendix B**.

Slide 1 (Heading): Sasol: Impumelelo Colliery

Slide 2: Agenda Points

- Impumelelo project scope and execution strategy
- Time management
- Project facts
- Project in pictures
- Sasol community projects affect Impumelelo area
- Questions

Slide 3: Project Scope and execution strategy

The Scope of the Impumelelo Mine Project is to establish a mine to replace the Brandspruit mine with a production capacity of 8.5 Mt/a. This will ensure uninterrupted coal supply to the Secunda CTL⁴ Plant. The Impumelelo Mine infrastructure supports 13 production and 6 stone work sections employing 1760 personnel. The existing Impumelelo Mine complex consists out of the following infrastructure:

- One 65t personnel and material shaft.
- Two ventilation shafts.
- Decline shaft.
- 28km overland materials handling system (10.5Mt/a).
- All surface related support infrastructure.

The Execution strategy entails the contracting out of all mine construction work under the supervision of Sasol Mining Project Management.

Slide 4: Time Management

The basic engineering was completed in December 2010. Construction at the Impumelelo Mine started in January 2011, and the shaft sinking was started in May 2011. Coal development started in January 2013. The first production section was relocated from Brandspruit Mine to Impumelelo Mine in August 2015. The first phase of the project will be handed over to Sasol Mining (Pty) Ltd. in June 2016.

Slide 4: Project Facts

The following items were noted with regards to the Impumelelo Mine:

- There is an overland conveyor system of 28km in length.
- The system has one single flight conveyor of 27km, which is the longest in the world.
- Both the four and two seam is mined, which is a first for the Secunda complex. The mining depth is 220m to two seam, which is the deepest coal mine in the Secunda complex.
- During construction the total number of construction people on site peaked at 2200.
- Impumelelo is the most remote mine feeding to the Sasol CTL Plant (50km from Secunda).
- 28 km of access roads are to be upgraded, including two bridges.
- The Impumelelo Mine infrastructure covers 26 different farmland portions.

⁴ CTL: Coal-to-liquids.

Slide 5: Impumelelo

The photo shows the office building, and the workshop together with the staff parking area of Impumelelo Mine. The vacant section is Phase 2 of the project and has already been approved by authorities. It is currently under construction. The ventilation shaft can also be seen on the photo.

Slide 6: 15 000 t bunker close to commissioning

The coal is brought from underground via the conveyor to the bunker.

Slide 7: MHS⁵ from incline to throw-out-close to operational

This photo shows the material handling station.

Slide 8: 15000 t bunker and coal stockpile

This photo show that the 15 000 ton bunker and the coal stockpile.

Slide 9: Brow building cladding

This image shows the brow building. Cladding is currently being done to reduce dust and air pollution.

Slide 9: Material Handling system at SCS⁶

The photo shows the material handling system at SCS from another viewpoint. This is where the coal from Impumelelo Mine is received.

Slide 10: SCS: 4 000 t bunker; overland head-end; tripper conveyor

This image shows the bunker at Brandspruit, and can be seen from the Standerton road.

Slide 11: Community LED⁷ Projects, Dipaleseng Municipality, (2012 – 2020).

Some of the recent projects undertaken by Sasol Mining (Pty) Ltd. include:

- Reservoir Fencing was done by Sasol in 2013 in the Nthoroane area at a cost of R 0.5 million.
- The Nthoroane / Greylingstad roads in the Nthoroane / Greylingstad area were upgraded at a cost of R 10 million.
- The waste water treatment plant in Nthoroane was upgraded at a cost of R15million.
- Sasol conducted a sewer network reticulation project in the Greylingstad / Willemsdal/ Nthoroane area at a cost of R30 million.

Natalie Lubbe thanked **Reghardt van der Merwe** for the project introduction and introduced **Sonja van de Giessen** to give a presentation on the Environmental Authorisation Process for the proposed new project, which entails the mining of additional areas with no new proposed infrastructure.

Sonja van de Giessen (CSEC) made use of a PowerPoint presentation, which is attached as **Appendix C** of these Minutes and is summarised below.

Slide 1: Title Slide**Slide 2: Contents**

The presentation will include an introduction about the project, the Process followed thus far, including the NEMA⁸ Application Form, the Scoping Phase, the role of I&APs and the Public Participation Process, and then the Process to still be followed, namely the EIA⁹ Phase, Specialist Studies and Public Participation.

⁵ MHS: Material Handling Station.

⁶ SCS: Sasol Coal Supply.

⁷ LED: Local Economic Development.

⁸ NEMA: National Environmental Management Act, 1998 (Act 107 of 1998).

⁹ EIA: Environmental Impact Assessment

Slide 3: Introduction

Sasol Mining (Pty) Ltd. is an existing coal mining company situated in close proximity to Secunda. The Mining Right No. for Impumelelo is **MP30/5/1/2/3/2/1(138) EM**. Sasol Mining (Pty) Ltd supplies coal to Sasol Synfuels, which utilises various processes and beneficiates coal into a number of products such as petrol, diesel, plastics and various chemicals. The Impumelelo Mine was recently developed. It was previously known as Block 2 and will replace the Brandspruit Mine Operation.

Slide 4: Project Background

Sasol Mining is the holder of the Prospecting Rights of several additional areas surrounding and within the approved Impumelelo Mine Area. These areas are collectively referred to as the proposed Impumelelo Mine Extension. The target mineral is coal from the Number 2 Seam and Number 4 Seam (specifically 4 Seam for new areas). The coal will be extracted via the existing Impumelelo Mine infrastructure and transported via the existing conveyor to Sasol Coal Supply blending plant. No additional surface infrastructure is associated with the proposed project.

Slide 5: Map of the location of Impumelelo

The slide indicates the location of the Impumelelo Mine with the brown line indicating the conveyor belt and the roads also being indicated on the map.

Slide 6: Map of Impumelelo Mine Extension Project

The slide indicates the areas that will be mined underground. The pink shaded areas indicate the additional areas to be included in the Impumelelo Mine Extension Project. A note to the landowners, the Scoping Report that has been put out for client review does not include all the correct farm portions. There are additional portions on the farms Hartbeesfontein, Grootvley, Hartbeeskul and Raskop. The map presented here, at the public meeting is correct.

Slide 7: Environmental Authorisation Process

The Environmental Authorisation Process starts with the compilation of the Environmental Authorisation Form. The Draft Scoping Report has been compiled and placed out for public comment on 19 January 2016 and will be available until 19 February 2016, for a period of 30 days. Once the public consultation period has passed, the Draft Scoping Report will be finalised to include public comments and submitted to the DMR¹⁰, who will then consider the Scoping Report. The EIA¹¹ phase will then start and the Draft EIA and EMP¹² will be compiled and placed for public review. After the 30 day comment period, which will again include a public meeting, the documents will be finalised, including public comments and submitted to the DMR for consideration. On the right side of the diagram are the estimated timeframes for the proposed project.

Slide 8: Process followed thus far – Environmental Authorisation Process

The Environmental Authorisation Form has been compiled and will be submitted to the DMR. The diagram at the bottom of the slide indicates where we are in the process.

Slide 9: Process followed thus far – Scoping Report

The purpose of the Scoping Phase is to investigate the potential impact on the environmental features of the proposed project. The Scoping Phase includes determining points of concern raised by the public, and identifies information insufficiencies or uncertainties and the need for additional investigations to be carried out in later phases of the project.

¹⁰ DMR: Department of Mineral Resources.

¹¹ EIA: Environmental Impact Assessment

¹² EMP: Environmental Management Programme Report.

Slide 10: Process followed thus far – Scoping Report

Scoping includes compiling the Scoping Report in terms of the requirements of Appendix 2 of the EIA Regulations R. 982¹³ (2014) for the Listed Activities, and identifying specialist investigations to be undertaken as part of EIA Phase.

Slide 11: Role of I&APs

I&APs are individuals who may be influenced, positively or negatively, by the proposed Impumelelo Mine Extension Project. Please remember that registration forms are available at the back of the BID if you have not yet registered.

Slide 12: Process followed thus far – Public participation

A newspaper advert was placed in the Ridge Times newspaper on 15 January 2016. The newspaper advert included some information about the project, an invitation to the public meeting and a request to interested persons to provide any comments they may have on the project.

Slide 13: Process followed thus far – Public participation (continued)

Fourteen onsite notices were placed within and around the Project area. The onsite notice contains the same information that was included on the newspaper advert.

Slide 14: Process followed thus far – Public participation (continued)

The Draft Scoping Report for public comment has been made available for a period of 30 days, from 19 January to 19 February 2016 at the following public viewing stations:

- Greylingstad Post Office.
- Val Hotel.
- Sasol Mining (Pty) Ltd. Impumelelo Mine security office.
- CSEC: www.cleanstream.co.za.

Slide 15: Process still to be followed: Scoping Phase

An authorities meeting will still be held. The Scoping Report will be finalized based on public comment received. The Final Scoping Report will be submitted to the DMR for approval, and placed for public review.

Slide 16: Process still to be followed: EIA Phase

An amended EIA and EMPr will be compiled for the additional areas, as well as the existing Impumelelo Mine in terms of the requirements of Appendices 3 and 4 of the EIA Regulation R982 (2014). The specialist studies will be into the amended EIA and EMPr. A revised IWWMP¹⁴ and IWULA¹⁵ will be compiled in terms of the NWA¹⁶ (1998).

Slide 17: Identified specialist studies

The following specialist studies will be conducted:

- A soil, land use and land capability study to be conducted by Earth Science Solutions.
- A fauna and flora study will be done by De Castro & Brits.
- A surface water study will be done by Jones & Wagner.
- A groundwater study will be conducted by Groundwater Complete.
- A wetlands study will be done by Wetland Consulting Services.
- A Phase 1 heritage study will be conducted by Dr. Julius Pistorius.

¹³ EIA Regulations R.982: National Environmental Management Act, 1998 (Act no 107 of 1998), Environmental Impact Assessment Regulations, 2014.

¹⁴ IWWMP: Integrated Water and Waste Management Plan.

¹⁵ IWULA: Integrated Water Use Licence.

¹⁶ NWA: National Water Act, 1998 (Act 36 of 1998).

A note to the landowners: You will be contacted by the mine for the specialists to access the properties for the fieldwork. The specialists will be driving vehicles that have a logo on their vehicles, or in the window of their vehicles.

Slide 18: Process still be followed: Public Participation

An amended draft EIA and EMPr will be compiled, and it will be made available for public comment. An EIA Phase public meeting will be held. The amended EIA and EMPr will be finalized based on public and authority comments and submitted to the DMR, and again made available for public review. The amended IWULA will be submitted to the DWS together with the supporting IWWMP. An Authorities meeting will be held.

Slide 19: Thank you.

5. General discussion – Questions, comments and remarks

Natalie Lubbe requested that all questions be directed to her as the facilitator and she would direct the questions to the relevant person on the panel. **Natalie Lubbe** advised that there were Afrikaans, Zulu and Sotho translators available should anyone wish to ask questions in these languages. All questions and answers would be translated to English. The floor was then opened for questions.

The first speaker from the floor introduced himself as **Emile Blaauw** (private I&AP). **Emile Blaauw** advised that the Registration Form on CSEC's website is not working.

Natalie Lubbe of CSEC responded that CSEC would look into the functioning of the registration form on the website associated with the project at hand.

Emile Blaauw (private I&AP) asked if the expansion of the buildings is related to the expansion of the proposed project?

Natalie Lubbe (CSEC) advised that there would not be any surface infrastructure associated with the project at hand.

Reghardt van der Merwe (Sasol) said that the expansion of the buildings indicated in his presentation is part of the existing and approved plan of 2010, and does not form part of the proposed Impumelelo Mine Extension Project.

Emile Blaauw (private I&AP) asked if there is a mine plan already developed? If the mine plan has been developed, what is the distance of the new areas to the existing Impumelelo Mine?

Reghardt van der Merwe of Sasol advised that the Impumelelo Mine Extension Project did not include any surface infrastructure and that no mine plan has, therefore, been developed. He further indicated that there was limited knowledge of the proposed underground mining area, however, the proposed mining areas would assist Sasol in extending their operations to allow the Impumelelo Mine to operate for a total or an additional 30 – 40 years, and the proposed layouts are easily extendable into the adjacent areas.

Emile Blaauw (private I&AP) asked that if Sasol does not yet have mining layouts, would it not be premature to say that there are no ventilation shafts.

Reghardt van der Merwe (Sasol) said that Sasol could currently not comment on the need for ventilation shafts as simulations would need to be done first to determine the need for future possible infrastructure.

Natalie Lubbe of CSEC said that may the need arise for ventilation shafts then Sasol would go through the applicable Environmental Authorisation Process and apply for the new infrastructure at that time. However, that the project at hand, does not include any surface infrastructure.

Carel van Heerden (farmer) asked what is the depth of the number 4 seam?

Reghardt van der Merwe (Sasol) said that currently the depth of the seams is 320 meters in the northern areas, and that this gets shallower to the south-eastern part of Impumelelo, to a depth of about 150 -160 meters.

Natalie Lubbe (CSEC) said that there was some information available in the Draft Scoping Report for each of the new areas forming part of this project.

Carel van Heerden (farmer) asked if Sasol's foresees any drilling in the new areas?

Reghardt van der Merwe (Sasol) said that drilling would occur for planning purposes. The mine would use its current drilling programme and directional drilling would occur in some of the areas.

Carel van Heerden (farmer) asked what the density would be of the boreholes to be drilled?

Reghardt van der Merwe (Sasol) said that Sasol works on approximately 4 boreholes is per 100 hectares. Density of boreholes decreased the further away one moves from the shaft.

Jan Wessels (farmers) asked what does Sasol propose can be done about the rubbish on the road to Impumelelo Mine as this is a big problem for the farmers due to the cattle eating the plastic?

Natalie Lubbe (CSEC) said that the question relates to part of the existing Impumelelo Mine and not the proposed project. It is recommended that Mr. Wessels discuss the problem with **Rio Kgatle** (Sasol) after the public meeting.

Jan Wessels (farmers) asked how will the project impact on the water, land value and drinking water boreholes?

Sonja van de Giessen (CSEC) said that as mentioned in the presentation, the groundwater study will be updated during the EIA phase which will include the proposed Impumelelo Mine Extension area. **Sonja van de Giessen** continued to explain the process followed during the groundwater study will include a monitoring programme which will indicate which boreholes the mine should monitor on a regular basis. Information gathered by the groundwater specialist will also provide data which will indicate whether or not impacts can be expected. If an impact is detected during monitoring, the mine must address the issue. **Sonja van de Giessen** also explained that the updated groundwater study would include a groundwater model. The groundwater model will indicate the extent to which a decrease in water may reach and impact upon surrounding land owners, how far the polluted groundwater is expected to spread, and what the best mitigation measures will be to follow.

Emile Blauw (private I&AP) said that there would be high extraction, but no planning seems to have been done as yet. What would be the severity of the subsidence?

Reghardt van der Merwe (Sasol) said that the Sasol has some knowledge of the current No. 4 Seam subsidence and makes use of a smart tool to determine the severity of subsidence. Sasol Mining (Pty) Ltd. currently pays compensation to landowners if subsidence occurs. It is an approved process that involves due diligence.

Emile Blauw (private I&AP) asked if the groundwater monitoring would be extended for the proposed areas as the groundwater level is at a depth of 30 meters and if the information is readily available for the public to access?

Natalie Lubbe (CSEC) said that if the groundwater specialist recommends that the current water monitoring programme be extended then Sasol Mining (Pty) Ltd. would implement this into the current water monitoring programme. Some of the interpreted results would be included in the EMP. The Mining Rights Department of Sasol can be contacted to get hold of more detailed information.

Reghardt van der Merwe of Sasol added that the information was readily available from Sasol on request and that both summer and winter borehole quality and quantity is measured.

Vusi Radebe (member of the local community) asked in Zulu that as community members, they went to the security gate of Sasol looking for employment. The people at the security gate said to them that Sasol does have work for about seventy people, and that he could leave his curriculum vita at the gate. For him to go to Impumelelo Mine it is too far. Also the presentation indicated that first there were 2200 people and then there were fewer workers. He would like to know where he can find work at Sasol.

Sibongile Mnsi (CSEC) translated the question into English.

Reghardt van der Merwe (Sasol) said that during construction of the Impumelelo Mine at its peak there were about 2200 people, but that this included subcontractors and were not permanent staff. For the proposed Impumelelo Mine Extension Project, the people working for Sasol at Brandspruit would be relocated to Impumelelo. Most likely there will not be any new jobs available. However, there may be job prospects in the future after 2020's.

Natalie Lubbe (CSEC) added that the expansion is part of the existing EMP. These new areas would not necessarily provide new job opportunities.

Sibongile Mnsi (CSEC) and **Bheki Mndawe** (Sasol) translated the answer into Zulu.

Rio Kgatle of Sasol said in Zulu (and translated into English) that Impumelelo will keep its current workers and that no CV's should be left at security gate. Sasol Mining (Pty) Ltd. works through a Department of Labour and they should be contacted for any job prospects. Sasol also advertises any open positions in the newspaper.

Emile Blaauw (private I&AP) asked if the potential for decanting has been included for the proposed project?

Natalie Lubbe (CSEC) said that the both the surface and groundwater studies would be looking at the whole Impumelelo Mine and that the potential for decant would, therefore, be included in these studies.

Closure of meeting:

There were no more questions. **Natalie Lubbe** closed the meeting and requested all attendees to ensure that they had filled in the registration form which was attached to the BID, should anyone wish to still ask a question. **Natalie Lubbe** reminded attendees that the registration form could either be faxed or emailed to the CSEC offices, or handed to the CSEC staff. CSEC's contact details were on the BIDs. Attendees were also invited to contact CSEC at any time should any further questions arise in future. **Natalie Lubbe** invited attendees to take the left over BIDs home to family and friends or anyone else who may be interested in the project, and announced that both CSEC and mine representatives would be available after the meeting if any attendee wished to speak to them. The meeting was adjourned.