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ENVIRONMENTAL

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## **PROPOSED OPEN PIT MAGNETITE MINE AND CONCENTRATOR PLANT, MOKOPANE, LIMPOPO PROVINCE**

### **Comment and Response Report: Impact Assessment Phase**

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**Project Number:**

VMC3049

**Prepared for:**

Pamish Investments No. 39 (Pty) Ltd.surface

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## Introduction

Pamish Investments No 39 (Pty) Limited (Pamish Investments) held a Prospecting Right (PR) over the farms Vogelstruisfontein 765LR, RE of Farm Vriesland 781LR, Vliegekraal 783LR, Schoonoord 786LR and Bellevue 808LR (Reference LP 30/5/1/1/2/95 PR) and has applied for a mining right (LP 30/5/1/2/3/2/1/10102EM).

The application for the mining right includes the following minerals: Vanadium, Titanium, Iron Ore, Phosphate, Platinum Group Metals, Gold, Cobalt, Copper, Nickel, Chrome and all minerals found in association with these elements. The combined PR area is about 10 109 ha. The principal focus of the proposed project is to produce a magnetite concentrate. The proposed mine is situated 45 km north-northwest of Mokopane and 65 km west of Polokwane, within the Mogalakwena Local Municipality in the Limpopo Province.

The purpose of this report is to:

Present a record of stakeholder comments received, which have direct bearing on the proposed project, during engagement methods undertaken below:

- Village meetings;
- Key Stakeholders Meeting;
- Public Meeting;
- Focus Group Meeting with landowners;
- Telephonic consultations with stakeholders; and
- Written submissions from stakeholders on the EIA Report.

The following 9 meetings were held as per the Table 1 below.

**Table 1: Meetings Held as Part of Public Participation Process for the Impact Assessment Phase**

Date	Time	Venue	Communities Invited
28-Sep-15	14:00 - 16:00	Ditlotswane Primary School	Ditlotswane Village and Mmotong
	17:00 - 19:00	Dipilikomong	Pudiakgopa, Mautjane ,Kwenaite, Mahlaba ,Basogadi, Matlhaba, Mathoathoasa and Bakenburg Traditional,
29-Sep-15	17:00 - 19:00	Lephadimisha Senior Secondary School	Claremont, Goodhope and Taolome
30-Sep-15	17:00 - 19:00	Leyden Community Hall	Kaditswene and Leyden
01-Oct-15	10:00 - 12:00	Oasis Lodge	Key Stakeholder Meeting

	17:00 - 19:00	Nkgakgautha Primary School	Rooiwal and Malokongkop
02-Oct-15	10:00 - 12:00	Mpedi Farm Lodge	Landowners/ Farmer Focus Group Meeting
	17:00 - 19:00	Mphaka Primary School	Sepharane, Mapela
03-Oct-15	10:00 - 12:00	Bakenberg Stadium	Public Meeting

COMMENT RAISED	CONTRIBUTOR	ORGANISATION / COMMUNITY	DATE	METHOD	RESPONSE
<b>1</b> <b>Air Quality</b>					
Anglo promised that there will be no dust but we are experiencing dust.	Corlard Manake	Ditlotswane Village	28 September 2015	Village Meeting	<p>An Air Quality study was undertaken as part of the Environmental Impact Assessment (EIA) (refer to Appendix J). In the air quality assessment considered PM<sub>10</sub>, PM<sub>2.5</sub> and dust deposition. The maximum PM<sub>10</sub> concentration observed at the four compass mine boundary were within the standard of 75 µg/m<sup>3</sup>, except the northern boundary with 138 µg/m<sup>3</sup> prior to mitigation. With Moshate impacted the most, levels predicted at the surrounding residential receptors were all within legal Standards. The maximum annual PM<sub>10</sub> concentrations predicted at any point on the mine boundary were below 10 µg/m<sup>3</sup>. Hence, levels at the surrounding residential receptors were within the current standard (40 µg/m<sup>3</sup>).</p> <p>PM<sub>2.5</sub> concentrations at the four compass points around the MRA were all below 5 µg/m<sup>3</sup> for both daily and annual respectively. Hence, the surrounding residential receptors are all within the daily and annual standard of 65 µg/m<sup>3</sup> and 25 µg/m<sup>3</sup> respectively. Predicted dust deposition rates at Moshate and Sepharane were slightly above the residential standard 600 mg/m<sup>2</sup>/day prior to mitigation. After mitigation, the predicted dust deposition rates at the four compass points around the proposed mine were all below 600 mg/m<sup>2</sup>/day. Hence, deposition rates at the surrounding residential receptors are within the recommended standard (600 mg/m<sup>2</sup>/day). Detailed assessment of findings is presented in the EIA Report.</p>

COMMENT RAISED	CONTRIBUTOR	ORGANISATION / COMMUNITY	DATE	METHOD	RESPONSE
Noise, Air quality , Water Requested confirmation of the legal thresholds that govern noise generation, air pollution and water quality.	AJ Kotze	Landowner	02 October 2015	Landowners Meeting	Please refer to Appendix A of this Comments and Response Report for a detailed response on the legislative standards applicable to water quality, air quality and noise.
<b>2 Blasting</b>					
What is meant by the 500m buffer, are there any communities within this buffer?	M Phadu	Ditlotswanae	28 September 2015	Village Meeting	The proposed 500 m buffer is an exclusion zone in which most of the expected blast and vibration impacts will be experienced. The 500 m buffer zone will ensure that no residents or cattle are allowed within the area to avoid potential impacts of blast and vibration.  No communities are located within the 500 m buffer zone.
What method will be used for blasting? Will there be primary and secondary blasting?	Abraham Langa	Diplikomong Village	28 September 2015	Village Meeting	The will only be primary blasting conducted as part of this proposed mining operation.
Blasting will crack houses?	Abraham Langa	Diplikomong Village	28 September 2015	Village Meeting	The following village areas were considered in the impact assessment from blasting operations. Bakenberg Village, Ditlotswana Village, Ga-Mabusela, Malokong Village, Pudiyagopa Village and Sepharane Village. The planned drilling and blast design was used to calculate expected ground vibration and air blast levels from blasting. Results from calculation showed low to no vibration influence at these villages. Villages further away have lower probability of influence. Levels of air blast are also expected to be low with a possibility of hearing of

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					blasting. The identified grave sites were also evaluated with no specific concern that the sites with will be disturbed. Ground vibration expected at the nearest house at 1766 m is 1.1 mm/s. This is very low and damage is very highly unlikely. People may feel the vibration. Air blast expected is also low at 110 dBL. This level may be heard but will not cause damage. All other houses are further away and the influences will then be less. A detailed survey of all surrounding properties will be undertaken, prior to the construction phase of this project. This survey will serve as the baseline conditions, prior to mining. Compensation mechanisms for potential damage to properties will be finalised prior to mining. The Blast and Vibration Study is attached as Appendix S of the Final EIA Report.
Indicated that a 500m blasting buffer is not sufficient, is it not possible to increase this to 1000m or more. Some of the neighbouring villages are affected even through there is a 500m buffer.	Lesiba Abraham Mashishia (Chairperson mining forum)	Ditloswane Village	28 September 2015	Village Meeting	Based on the Blast and Vibration Study completed, the Blast specialist had recommended a buffer of 311 m to ensure that impacts are not experienced by surrounding receptors. It was requested that the blast buffer zone be increased to 500 m in line with good practice. The potential to increase the buffer zone to 1 000m can be explored further, however, this will result in the sterilisation of additional grazing areas. For purposes of this Mining Right Application and EIA process, a buffer zone of 500 m will be included. Blast and vibration monitoring will also be required to ensure that no structures are being impacted.
What will the impact on houses be	Lesiba Sekokotla	Taolome Village	29 September	Village Meeting	The following village areas were considered in the

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during blasting?			2015		impact assessment from blasting operations. Bakenberg Village, Ditlotswana Village, Ga-Mabusela, Malokong Village, Pudiyagopa Village and Sepharane Village. The planned drilling and blast design was used to calculate expected ground vibration and air blast levels from blasting. Results from calculation showed low to no vibration influence at these villages. Villages further away have lower probability of influence. Levels of air blast are also expected to be low with a possibility of hearing of blasting. The identified grave sites were also evaluated with no specific concern that the sites will be disturbed. Ground vibration expected at the nearest house at 1766 m is 1.1 mm/s. This is very low and damage is very highly unlikely. People may feel the vibration. Air blast expected is also low at 110 dBL. This level may be heard but will not cause damage. All other houses are further away and the influences will then be less. A detailed survey of all surrounding properties will be undertaken, prior to the construction phase of this project. This survey will serve as the baseline conditions, prior to mining. Compensation mechanisms for potential damage to properties will be finalised prior to mining. The Blast and Vibration Study is attached as Appendix S of the Final EIA Report.
How does a blasting schedule work?	Reenen Potgieter	Landowner	02 October 2015	Landowners Meeting	A blasting schedule will be determined at the beginning of each year, which will need to be distributed to the various communities and adjacent landowners. The purpose of the blast schedule is to notify surrounding residents as to the proposed blast

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					activities. Should there be changes to the blast schedule during the course of the year, it will be the responsibility of Pamish Investment to notify surrounding communities and residents of revised blast times.
There will be dust and houses will crack due to blasting. People will need to be resettled.	Daniel Mabusela	Nkagautha Village	02 October 2015	Village meeting	The following village areas were considered in the impact assessment from blasting operations. Bakenberg Village, Ditlotswana Village, Ga-Mabusela, Malokong Village, Pudiagopa Village and Sepharane Village. The planned drilling and blast design was used to calculate expected ground vibration and air blast levels from blasting. Results from calculation showed low to no vibration influence at these villages. Villages further away have lower probability of influence. Levels of air blast are also expected to be low with a possibility of hearing of blasting. The identified grave sites were also evaluated with no specific concern that the sites will be disturbed. Ground vibration expected at the nearest house at 1766 m is 1.1 mm/s. This is very low and damage is very highly unlikely. People may feel the vibration. Air blast expected is also low at 110 dBL. This level may be heard but will not cause damage. All other houses are further away and the influences will then be less. A detailed survey of all surrounding properties will be undertaken, prior to the construction phase of this project. This survey will serve as the baseline conditions, prior to mining. Compensation mechanisms for potential damage to properties will be finalised prior to mining. The Blast and Vibration Study is attached as Appendix S of the

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					Final EIA Report. No resettlement is proposed as part of this Project.
How will people be compensated for damages caused by blasting and vibration?	Emanuel Kekana	Sepharane Village	02 October 2015	Village Meeting	A detailed survey of all surrounding properties within 2.5 km will be undertaken, prior to the construction phase of this project. This survey will serve as the baseline conditions, prior to mining. The survey will examine the existing state of surrounding structures, prior to blasting, identify existing structure problems. Should the Blasting result in damage to property, compensation mechanisms for potential damage to properties will be finalised prior to mining.
If blasting damages our houses will we be resettled?	Lucricia Papo	Sepharane Village	02 October 2015	Village Meeting	Based on the Blast and Vibration study completed, the potential for significant damage to houses is limited. Should blasting result in significant damage, compensation and/ or resettlement may be required. This will be reviewed and determined on a case by case basis.
Blasting will affect our houses.	Jonas Lamola	Ditlotswane Village	12 October 2015	Written Comment via-email	The following village areas were considered in the impact assessment from blasting operations. Bakenberg Village, Ditlotswane Village, Ga-Mabusela, Malokong Village, Pudiyagopa Village and Sepharane Village. The planned drilling and blast design was used to calculate expected ground vibration and air blast levels from blasting. Results from calculation showed low to no vibration influence at these villages. Villages further away have lower probability of influence. Levels of air blast are also expected to be low with a possibility of hearing of blasting. The identified grave sites were also evaluated with no specific concern that the sites with

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					will be disturbed. Ground vibration expected at the nearest house at 1766 m is 1.1 mm/s. This is very low and damage is very highly unlikely. People may feel the vibration. Air blast expected is also low at 110 dBL. This level may be heard but will not cause damage. All other houses are further away and the influences will then be less. A detailed survey of all surrounding properties will be undertaken, prior to the construction phase of this project. This survey will serve as the baseline conditions, prior to mining. Compensation mechanisms for potential damage to properties will be finalised prior to mining. The Blast and Vibration Study is attached as Appendix S of the Final EIA Report.
<b>3 Environmental Impact Assessment and Environmental Management Plan</b>					
There are always problems during the implementation of a project. Who will be monitoring whether the mine keeps to its commitments. Mitigation measures are not working at other mines.	Lesiba Abraham Mashishia (Chairperson mining forum)	Ditloswane Village	28 September 2015	Village Meeting	It is the DMR's responsibility to ensure that the mine keeps to its commitments and that the mitigation measures are implemented in line with the Environmental Management Plan (EMP). Furthermore, a variety of monitoring and management measures have been included into the EMP. These monitoring and management requirements will need to be completed by independent consultants, with the results submitted to the DMR.
After mining will the soil be put back into the pit.	M M Mashitsho	Ditloswane Village	28 September 2015	Village Meeting	As part of mine closure, 80% of the waste rock produced will be backfilled into the pit, and rehabilitated. It must be noted that despite the backfilling of waste rock, the open pit will not be completely backfilled due to a small waste rock

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					volume. The remaining pit area will be rehabilitated and stabilised, prior to closure.
What are the rights of the community if things do not happen as promised?	K J Shabala	Ditlotswane Village	28 September 2015	Village Meeting	The EIA and EMP are legally binding documents. The mitigation measures in the EMP have to be implemented. Should Pamish not comply with the requirements outlined in the EMP, the applicant can be liable for a fine or run the risk to potentially lose the Mining Right. The community representatives can also approach the DMR directly, should you feel that the applicant is not meeting the requirements as set out in the EMP.
Did the studies include the granite mine in the analysis in terms of cumulative impacts?	Simon Molele	Waterberg District Municipality	01 October 2015	Key Stakeholder Meeting	Consideration of surrounding land uses formed part of the EIA process. The adjacent Granite Mine, the Ivanplats Platinum Mine and the Anglo Platinum Mogalakwena Mine were all considered as part of the cumulative analysis included into the EIA Report.
Will the EIA report be changed from now or will these meetings be an addition to the report.	Philip Lebelo	Sepharane Village	02 October 2015	Village Meeting	The Comments and Response Report (CRR) will be amended to include the comments made at these meetings. Should new information come to light during the various community meetings, then the EIA Report will be updated accordingly.
It would be appropriate for us to have organizations like Greenpeace and or universities including government & related agencies to do an a neutral environmental impact assessment for us to have a report that we can be rest assured for because	Daddy koenaite Mining liaison officer Mandated by council at chief Kwanaite newsstands		07October 2015	Email	Thank you for your comment. This will be relayed to the DMR for consideration into their decision making process.

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Digby wells was hired by Pamish & obviously it won't say anything contrary to Pamish as they are on their payroll. Therefore it's only fair to have another opinion.					
<b>4 Health and Safety</b>					
Was a medical doctor consulted? Can the assurance be given that people will not be affected?	Lesiba Makgakga	Diplikomong Village	28 September 2015	Village Meeting	The findings of the Blast and Vibration Assessment, Surface Water Assessment, Air Quality Assessment, Noise Assessment and Groundwater Assessment were presented to the Community Health Specialist. A community Health Impact Assessment was undertaken based on these studies (as well as field work) to determine the potential community health impacts that could be experienced. The findings of the Health Assessment confirmed that no significant health impacts are anticipated based on the proximity of surrounding receptors. A Medical Doctor was not consulted as part of the EIA process. Refer to Appendix P for a copy of the Community Health Assessment completed for the project.
Health impacts are a concern. The elderly are vulnerable to health issues. Clinical health records need to be kept. We are concerned about issues such as asbestosis.	Reuben Mashego	Waterberg District Municipality	01 October 2015	Key Stakeholder Meeting	Asbestos will not be mined at this proposed operation. Magnetite will be mined and this mineral does not have equivalent health impacts.  A Community Health Impact Assessment was conducted as part of the EIA. A number of issues, including Tuberculosis (TB) and HIV were identified as existing health issues. Clinics were consulted as part of the Health Assessment, as well as household surveys within each of the various communities. This

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					research helped informed potential health impacts that could be created or existing impacts that could be exacerbated as a result of this project. The detailed findings of the Health Assessment are attached as Appendix P of the EIA Report.
There will be security issues associated with the construction and operation of the mine. The influx of people will create crime. There have been instances of cable theft.	AJ Kotze	Landowner	02 October 2015	Landowners Meeting	<p>The SIA undertaken for the proposed Project included an assessment of likely health and safety (H&amp;S) impacts of the envisage project activities. The SIA established that H&amp;S impacts could arise from project activities as well as project induced population influx (see Section 9.1.5, 9.1.6 and 9.1.7 of the SIA Report), as follows:</p> <p>Firstly an influx of job-seekers would likely be accompanied by an increase in crime; many job-seekers are usually left unemployed or underemployed, due to formal employment policies usually excluding them. The incidence of crime can increase if failed job-seekers stay in the area and revert to criminal strategies to survive.</p> <p>Population influx combined with increased disposable income will result in a higher demand and increased markets for food, including meat. This scenario could inflate prices and result in increased poaching from game farmers within and surrounding the proposed project.</p> <p>The transportation of construction materials, machinery and processed ore on road sections of which is also used by private motorists, pose a risk to the motorists' and other road users.</p> <p>The SIA identified the following mitigation measures to reduce the significance of these impacts:</p>

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					<ul style="list-style-type: none"> <li>■ That Pamish should commission a detailed situation analysis and, depending on the findings, commission and Influx management plan;</li> <li>■ Pamish should consider the implementation of anti-poaching mechanisms to minimize poaching on surrounding game farms; and</li> <li>■ Liaison structures are to be established with local police to monitor social changes in crime patterns.</li> </ul> <p>Section 9.1.6.2 and 9.1.7.2 of the SIA Report provides a more comprehensive discussion these mitigation measures.</p> <p>The Applicant under the Mine Health and Safety Act (MHSA) will need to secure its mining area. The Applicant will also work with the South African Police Services (SAPS) to address security issues during construction and operation.</p>
Could the mine assist the community with a clinic?	Philip Lebelo	Sepharane Village	02 October 2015	Village Meeting	<p>The possible investments into communities will be discussed with the local Mining Forum, the Local Municipality and the DMR. The Local Mining Forum will be comprised of community representatives (including Indunas), who will provide input into community needs. The Local Municipality will also inform investments into the region, based on the Integrated Development Plan (IDP) and Strategic Development Framework (SDF).</p> <p>Lastly, current investments from surrounding mining operations will also be investigated to link with</p>

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					existing initiatives. These will be investigated, should the proposed project be approved.
<b>5 Heritage</b>					
Will the mine do a Heritage Assessment?	Johannes Malapile	Dipilikomong Village	28 September 2015	Village Meeting	A Heritage Impact Assessment (HIA) was undertaken and is attached as Appendix T of the EIA Report.
There is Heritage site next to mountain.	Jonase Lamola		02 October 2015	Written Comment via e-mail	Thank you for your comment. The Malokongkop area was identified and assessed as part of the Heritage Assessment.
<b>5.1 Graves</b>					
Are there graves in the mining area?	Johannes Malapile	Dipilikomong Village	28 September 2015	Village Meeting	No burial grounds or graves were identified within the development footprint during the pre-disturbance survey completed in March 2015, or through consultation with Interested and Affected Parties. Potential unplanned events or low risks to burial grounds and graves surrounding the development footprint were identified and discussed under Section 9.2 of the HIA Report. These included recommendation management and mitigation measures for the preservation of these resources, including the development of CFP's as a condition of authorisation in the event of accidental discovery / exposure of unidentified burial grounds and graves. This must be supplemented by a Burial Grounds and Graves Consultation (BGGC) Process as regulated by the National Heritage Resources Act and Regulations to the Act.
The graves do not have fences.	Gabrial Modiba	Taolome Village	29 September 2015	Village Meeting	No burial grounds or graves were identified within the development footprint during the pre-disturbance survey completed in March 2015, or through

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					consultation with Interested and Affected Parties. Potential unplanned events or low risks to burial grounds and graves surrounding the development footprint were identified and discussed under Section 9.2 of the HIA Report. These included recommendation management and mitigation measures for the preservation of these resources, including the development of CFP's as a condition of authorisation in the event of accidental discovery / exposure of unidentified burial grounds and graves. This must be supplemented by a Burial Grounds and Graves Consultation (BGGC) Process as regulated by the National Heritage Resources Act and Regulations to the Act.
<b>6 Land Use</b>					
People graze their cattle in the proposed mining area. Will there be compensation for these people?	Johannes Malapile	Dipilikomong Village	28 September 2015	Village Meeting	The potential loss of grazing land has been identified and assessed as economic displacement as part of the EIA process. The proposed mine will utilise approximately 1 000 hectares of the full 10 109 hectares mining right area. The remaining 9 109 hectares will be available for which grazing can be undertaken. Compensation measures will need to be agreed to by all parties, should economic displacement be unavoidable.

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Agricultural fields and grazing will be lost to the mine. What will happen to these fields?	Tebogo Mashabane	Nkagautha Village	01 October 2015	Village Meeting	The potential loss of grazing land has been identified and assessed as economic displacement as part of the EIA process. The proposed mine will utilise approximately 1 000 hectares of the full 10 109 hectares mining right area. The remaining 9 109 hectares will be available for which grazing can be undertaken. Compensation measures will need to be agreed to by all parties, should economic displacement be unavoidable.
The community will lose some of their communal grazing and farming land and will be left with very little land to farm.	Simon Molele	Waterberg District Municipality	01 October 2015	Key Stakeholder Meeting	The potential loss of grazing land has been identified and assessed as economic displacement as part of the EIA process. The proposed mine will utilise approximately 1 000 hectares of the full 10 109 hectares mining right area. The remaining 9 109 hectares will be available for which grazing can be undertaken. Compensation measures will need to be agreed to by all parties, should economic displacement be unavoidable.
<b>7 Mining Right</b>					
<b>8 Noise</b>					
The community is unhappy with Anglo because of the noise pollution. How will this be managed and mitigated on this new mine?	Corlard Manake	Ditlotswane Village	28 September 2015	Village Meeting	According to this environmental noise impact assessment the surrounding communities, will not be impacted on by the noise from the project as all of the surrounding communities fall outside of the impact zone according to the national noise control regulations. During the operational phase the overburden dumps and pit walls will assist with noise attenuation. Other mitigation, including silencers, noise mufflers and cladding of noise infrastructure

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					has been recommended as potential mitigation to reduce noise impacts. The full Noise Impact Assessment is attached as Appendix R of the EIA Report.
Noise, current levels, allowed levels and expected levels were requested.	AJ Kotze	Landowner	02 October 2015	Landowners Meeting	<p>A summary of the allowable noise levels are attached as Appendix A of this CRR.</p> <p>According to this environmental noise impact assessment the surrounding communities, will not be impacted on by the noise from the project as all of the surrounding communities fall outside of the impact zone according to the national noise control regulations. During the operational phase the overburden dumps and pit walls will assist with noise attenuation. Other mitigation, including silencers, noise mufflers and cladding of noise infrastructure has been recommended as potential mitigation to reduce noise impacts. The full Noise Impact Assessment is attached as Appendix R of the EIA Report.</p>
The mine will not be able to keep the noise below 45 decibels.	SE Kotze	Landowner	02 October 2015	Landowners Meeting	Noise monitoring has been identified as a requirement for the construction and operation of the proposed mine. Noise monitoring results will need to be submitted to the DMR for their records. Any exceedances of noise levels will need to be reported to the DMR.
The problem is the prevailing wind.	AJ Kotze	Landowner	02 October 2015	Landowners Meeting	Thank you for your comment. The prevailing wind direction has been considered as part of the Noise and Air Quality assessment.

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What happens if any monitoring results exceed the legislation levels?	AJ Kotze	Landowner	02 October 2015	Landowners Meeting	Monitoring of air quality, groundwater, surface water, noise and blasting will be undertaken by an independent consultant. The results of the monitoring will be submitted to the DMR, and made available through the local Mining Forum. Should exceedances continue the Applicant could be liable for a fine and/ or run the risk of losing the Mining Right.
<b>9 Organisational Conduct / Ethics</b>					
<b>10 Project Specific</b>					
How will waste be managed?	Corlard Manake	Ditlotswane Village	28 September 2015	Village Meeting	Non-mineralised waste will be temporarily stored on-site in skips and removed weekly or bi-monthly for disposal by a registered waste management service provider. Mineralised wastes will be disposed of at the waste rock dump and tailings dam. Based on the classification of the tailings material, the Tailings Dam will be lined with a type 3 liner system to avoid potential groundwater impacts.
How will blasts and fumes, be managed and what type of explosives are to be used?	Abraham Langa	Dipilikomong Village	28 September 2015	Village Meeting	Based on the findings of the Blast and vibration Study, potential impacts will likely be limited to a 311 m buffer around the open pit areas. This buffer area has been increased to 500 m in terms of good practice.  Furthermore, monitoring will be required during the different phases of the project to ensure that the impacts of vibration, fly rock and noxious fumes will not affect surrounding communities.

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					At this stage of the Mining Right Application process, the specific type of explosives cannot be confirmed. The specific types of explosives to be used will be determined once the detailed mine design is complete.
The mitigations are not working at other mines.	Lesiba Abraham Mashishia (Chairperson mining forum)	Ditloswane Village	28 September 2015	Village Meeting	Thank you for your comment. The effectiveness of the ongoing mitigation and monitoring will need to be reviewed periodically to ensure its achieving the desired outcome. Where mitigation measures are not seen as effective, additional measures must be implemented to ensure that impacts remain within acceptable standards.
There needs to be consideration of tailing facilities and the technologies used.	Lesiba Abraham Mashishia (Chairperson mining forum)	Ditloswane Village	28 September 2015	Village Meeting	Two types of tailings technologies were considered as part of this EIA process (i.e. Paste Thickening and Traditional Tailings). Based on current levels of investigation completed, it is recommended that traditional tailings technology will be utilised for this Project.
When they take out the minerals they will take out gold, coal and other minerals. What will the mine do with the coal?	Johannes Malapile	Dipilikomong Village	28 September 2015	Village Meeting	The proposed mine will target the magnetite mineral resource. Other minerals encountered are expected to be of a minimal volume and thus not have economic value. Minerals, other than Magnetite, will be removed and disposed of at the Tailings Dam. There is no coal found in this mineral seam.
The mine is going to work 24 hours a day this will disturb the animals.	Gabrial Modiba	Taolome Village	29 September 2015	Village Meeting	The mining area will be fenced off and animals will not be able to enter this area. A 500 m buffer zone will be established to ensure that blast impacts do

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					not enter adjacent communities.
Is it an open pit mine or underground mine?	Alphius Senyelo	Leyden Village	30 September 2015	Village Meeting	It will be an open pit mine.
From where will the mine get its water?	Rueben Mashego	Waterburg District Municipality	01 October 2015	Key Stakeholder Meeting	The Applicant is currently in negotiations to secure a water allocation from the Flag Boshuela Dam Project. Should the allocation be confirmed, a water pipeline to transfer the raw water to the mine, will need to be constructed. No groundwater or surface water will be utilised for the operation of the mine.
Have the clients or buyers of the concentrate been identified?	Rueben Mashego	Waterburg District Municipality	01 October 2015	Key Stakeholder Meeting	Three existing salt roast plants have been identified as potential clients to sell the Magnetite Concentrate. No agreement is in place for the sale of concentrate, as this will be finalised, if the Mining Right is issued.
When the mine is operational will it use the D34 or D35 roads?	April Mabusela	Nkagautha Village	01 October 2015	Village Meeting	The road which will be used is the Provincial Road D4380.
Will rehabilitation take place at the end of mining?	Reuben		01 October 2015	Key Stakeholders Meeting	There will be on-going rehabilitation during the life of the mine and final rehabilitation once the mining activities are complete.
Once mining of the pits is complete will there be mining elsewhere in the prospecting area?	Reuben		01 October 2015	Key Stakeholders Meeting	No mining, outside of the areas identified in this EIA Report, will be undertaken. Should additional mineral resources be identified, a separate application process will be required, including engagement with all registered I&APs, DMR, Local Municipality and landowners.
It is saddening that Dr geologist said he is only mining magnetite and there are no other minerals in the area of proposed mine when an old man asked him but according to your report you	Daddy koenaite Mining liaison officer Mandated by council at chief		07 October 2015	Email	This proposed mine will target the magnetite mineral seam. There are other minerals identified within the Magnetite mineral seam that will be removed as part of this mining operation, however, these additional minerals are found in minimal quantities and will be

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have applied for magnetite & other minerals.	Kwanaite newsstands				disposed of into the tailings facility.
<b>11 Benefit of the mine.</b>					
Are we going to benefit is there a percentage of the mine for the neighbouring villages.	Stephen Motlong	Leyden Village	30 September 2015	Village Meeting	The Applicant intends to establish a Community Trust, if the Mining Right is issued. The purpose of the Community Trust is to channel benefits associated with the mine to the surrounding communities. The Trust will be comprised of representatives of the community and tribal authority, but the structure of the trust is not yet confirmed.
There are a lot of social issues in the communities such as unemployment illness and poverty. Is it not possible to form a trust to assist the community?	Gladis Mosiya	Leyden Village	30 September 2015	Village Meeting	<p>The Applicant intends to establish a Community Trust, if the Mining Right is issued. The purpose of the Community Trust is to channel benefits associated with the mine to the surrounding communities. The Trust will be comprised of representatives of the community and tribal authority, but the structure of the trust is not yet confirmed.</p> <p>The Social and Labour Plan submitted to the DMR has identified a number of opportunities for community members. These opportunities include training, skills development, and prioritisation of employment, bursaries and Small to Medium Size Enterprises. Furthermore, indirect benefits include increase in expenditure in the communities and increased local tax base.</p>

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We as a community how do we benefit from the mine? The problem at the other mines is because the community did not benefit from the mine.	Richard Sethole	Ditlotswane Village	28 September 2015	Village Meeting	<p>The Applicant intends to establish a Community Trust, if the Mining Right is issued. The purpose of the Community Trust is to channel benefits associated with the mine to the surrounding communities. The Trust will be comprised of representatives of the community and tribal authority, but the structure of the trust is not yet confirmed.</p> <p>The Social and Labour Plan submitted to the DMR has identified a number of opportunities for community members. These opportunities include training, skills development, and prioritisation of employment, bursaries and Small to Medium Size Enterprises. Furthermore, indirect benefits include increase in expenditure in the communities and increased local tax base.</p>
How will the community benefit from the mine?	Lesiba Abraham Mashishia (Chairperson mining forum)	Ditloswane Village	28 September 2015	Village Meeting	<p>The Applicant intends to establish a Community Trust, if the Mining Right is issued. The purpose of the Community Trust is to channel benefits associated with the mine to the surrounding communities. The Trust will be comprised of representatives of the community and tribal authority, but the structure of the trust is not yet confirmed.</p> <p>The Social and Labour Plan submitted to the DMR has identified a number of opportunities for community members. These opportunities include training, skills development, and prioritisation of employment, bursaries and Small to Medium Size</p>

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					Enterprises. Furthermore, indirect benefits include increase in expenditure in the communities and increased local tax base.
Will the mine undertake social development? What percentage will be given to the community? Will the mine fix schools, undertake sport development, provide jobs and develop businesses.	Pedi Lawrence	Dipilokomong Village	28 September 2015	Village Meeting	<p>The Applicant intends to establish a Community Trust, if the Mining Right is issued. The purpose of the Community Trust is to channel benefits associated with the mine to the surrounding communities. The Trust will be comprised of representatives of the community and tribal authority, but the structure of the trust is not yet confirmed. The specific percentage of monies to be given to the communities is not yet confirmed.</p> <p>The Social and Labour Plan submitted to the DMR has identified a number of opportunities for community members. These opportunities include training, skills development, and prioritisation of employment, bursaries and Small to Medium Size Enterprises. Furthermore, indirect benefits include increase in expenditure in the communities and increased local tax base.</p>
Will there be any development for the community?	Tebogo Mokomme	Dipilokomong Village	28 September 2015	Village Meeting	<p>The Applicant intends to establish a Community Trust, if the Mining Right is issued. The purpose of the Community Trust is to channel benefits associated with the mine to the surrounding communities. The Trust will be comprised of representatives of the community and tribal authority, but the structure of the trust is not yet confirmed.</p> <p>The Social and Labour Plan submitted to the DMR</p>

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					<p>has identified a number of opportunities for community members. These opportunities include training, skills development, and prioritisation of employment, bursaries and Small to Medium Size Enterprises. Furthermore, indirect benefits include increase in expenditure in the communities and increased local tax base.</p> <p>The Macro Economic and Social Impact Assessment identify a number of positive impacts associated with the project. Please refer to Appendix N and O, respectively, for the full reports.</p>
Will there be bursaries for school children?	Alphius Dwayidwayi	Dipilokomong Village	28 September 2015	Village Meeting	As part of the Social and Labour Plan, bursaries for community members have been identified and will be provided to individuals. The focus of the bursary program will be to upskill local community members in order to benefit from the employment opportunities.
A forum will be a good way of identifying community needs.	Rueben Mashego	Waterburg District Municipality	01 October 2015	Key Stakeholder Meeting	Thank you for your comment. The process of establishing a mining forum with representatives from all the communities has been started.
How will the trust work?	Earnest Kongane	Nkagautha Village	02 October 2015	Village Meeting	The Applicant intends to establish a Community Trust, if the Mining Right is issued. The purpose of the Community Trust is to channel benefits associated with the mine to the surrounding communities. The Trust will be comprised of representatives of the community and tribal authority, but the structure of the trust is not yet confirmed.

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What is the benefit of the mine for the community?	Andries Masanabo	Sepharane Village	02 October 2015	Village Meeting	<p>The Applicant intends to establish a Community Trust, if the Mining Right is issued. The purpose of the Community Trust is to channel benefits associated with the mine to the surrounding communities. The Trust will be comprised of representatives of the community and tribal authority, but the structure of the trust is not yet confirmed.</p> <p>The Social and Labour Plan submitted to the DMR has identified a number of opportunities for community members. These opportunities include training, skills development, and prioritisation of employment, bursaries and Small to Medium Size Enterprises. Furthermore, indirect benefits include increase in expenditure in the communities and increased local tax base.</p> <p>The Macro Economic and Social Impact Assessment identify a number of positive impacts associated with the project. Please refer to Appendix N and O, respectively, for the full reports.</p>
How will the community trust work?	Andries Masanabo	Sepharane Village	02 October 2015	Village Meeting	<p>The Applicant intends to establish a Community Trust, if the Mining Right is issued. The purpose of the Community Trust is to channel benefits associated with the mine to the surrounding communities. The Trust will be comprised of representatives of the community and tribal authority, but the structure of the trust is not yet confirmed.</p>

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Other than jobs what will be the benefit of the mine?	Emanuel Kekana	Sepharane Village	02 October 2015	Village Meeting	<p>The Applicant intends to establish a Community Trust, if the Mining Right is issued. The purpose of the Community Trust is to channel benefits associated with the mine to the surrounding communities. The Trust will be comprised of representatives of the community and tribal authority, but the structure of the trust is not yet confirmed.</p> <p>The Social and Labour Plan submitted to the DMR has identified a number of opportunities for community members. These opportunities include training, skills development, and prioritisation of employment, bursaries and Small to Medium Size Enterprises. Furthermore, indirect benefits include increase in expenditure in the communities and increased local tax base.</p> <p>The Macro Economic and Social Impact Assessment identify a number of positive impacts associated with the project. Please refer to Appendix N and O, respectively, for the full reports.</p>
Is the IDP developed with inputs from the community?	Emanuel Kekana	Sepharane Village	02 October 2015	Village Meeting	<p>The IDP is compiled by the local municipality and is based on the community needs that have been identified. The IDP is developed with inputs from the community, local government and other role players.</p>
This village will be the most affected and should therefore be considered for the most benefit from the proposed mine.	Philip Lebelo	Sepharane Village	02 October 2015	Village Meeting	<p>From the local villages in the area, employment and benefits will not be prioritised for a specific community. All benefits from the project must extend to the immediate surrounding villages.</p>

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Will royalties be paid to the community?	Elizabeth Motlana	Sepharane Village	02 October 2015	Village Meeting	There will be rental agreement with the traditional council and a trust will be developed to ensure that the community benefits from the mine.
The people who are going to benefit are the employees and Pamish.	Joel Lebelo	Sepharane Village	02 October 2015	Village Meeting	Thank you for your comment. Benefits of the proposed project will be experienced by a variety of role-players, including the communities, the applicant and the government (local and provincial scale). The positive impacts of the project include employment, skills development, bursaries, small to medium size enterprise developments and increased expenditure in the communities.
Where can small businesses go to register to provide services to the mine?	Jacob Mashiane	Sepharane Village	02 October 2015	Village Meeting	If the Mining Right is awarded, the applicant will commence with setting up recruitment offices as well as notifying the communities on the vendor registration process for provision of services required.
If I was Business man I would teach young people to work with steel.	Jonas Lamola	Ditlotswane Village	12 October 2015	Written Comment via-email	Thank you for your comment.
<b>12 Life of Mine</b>					
Once the mine closes what will happen to the economy of the area?	Wendy Thubakgale	Taolome Village	29 September 2015	Village Meeting	Once the proposed mine reaches its end of life, the mine will be closed. The job opportunities associated will end upon closure of the mine. As part of the Social and Labour Plan, there are a number of small to medium size enterprise initiatives that will be implemented. The purpose of these SMME initiatives to promote economic opportunities outside of the mining sector. This will serve to ensure continued economic growth, despite the closing of the mine.
What will happen to the open pits once	Ellias Hlongwane	Leyden Village	30 September	Village Meeting	As part of mine closure, 80% of the waste rock

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mining is completed?			2015		produced will be backfilled into the pit, and rehabilitated. It must be noted that despite the backfilling of waste rock, the open pit will not be completely backfilled due to a small waste rock volume. The remaining pit area will be rehabilitated and stabilised, prior to closure.
<b>13 Mining Area</b>					
Leyden is far from the mining area. Does the project affect us?	Alphius Senyelo	Leyden Village	30 September 2015	Village Meeting	Yes, it is far away, impacts should not affect here, however there might be a benefit in terms of employment.
What if the mine wants to mine outside of 10 109 ha.	Rakgadi Makwane	Leyden Village	30 September 2015	Village Meeting	No mining will be allowed outside of the proposed mining right area. Should the applicant wish to mine outside of the mining right area, a separate mining right application will need to be submitted and a community consultation process will be required.
Are there minerals outside of the area you are interested in?	Jastinos Papo	Sepharane Village	02 October 2015	Village Meeting	For purposes of this Mining Right Application, the Applicant does not intend to mine outside of the designated areas.
We will see when excavating is taking place.	Jonas Lamola	Ditlotswana Village	12 October 2015	Written Comment via-email	Noted.
<b>14 Mining Rights</b>					
As you are looking at mining one mineral, what are you going to do with the other minerals that you might find? Can you not give these to the community as shareholders? There is also the danger of Zama Zamas like what is happening in Germiston.	Gilbert Pila	Taolome Village	29 September 2015	Village Meeting	The proposed mine will target the magnetite mineral resource. Other minerals encountered are expected to be of a minimal volume and thus not have economic value. Minerals, other than Magnetite, will be removed and disposed of at the Tailings Dam.
Legal frame works has been mentioned	Jacob Moreba	Taolome Village	29 September	Village Meeting	Yes, the applicant is committed to the charter.

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is Pamish committed to the mining Charter.			2015		
When Pamish applied to the DMR did they attach an agreement from the community?	Marks Pila	Taolome Village	29 September 2015	Village Meeting	The Mining Right Application does not require an agreement from the community. Issues and queries raised by the communities will be recorded in the Final EIA Report and submitted to the DMR. The DMR will review and consider all comments received, as part of their decision making process.
After authorisation, how will we know that they have got the mining right.	Joseph Khwinana	Leyden Village	30 September 2015	Village Meeting	A notice will be sent to all registered I&APs, and an advertisement will be placed in the local newspaper.
When you get the MRA do you need an agreement from the community to mine?	Alphius Senyelo	Leyden Village	30 September 2015	Village Meeting	The Mining Right Application does not require an agreement from the community. Issues and queries raised by the communities will be recorded in the Final EIA Report and submitted to the DMR. The DMR will review and consider all comments received, as part of their decision making process.
Will mining take place on my farm?	AJ Kotze	Landowner	02 October 2015	Landowners Meeting	No mining is proposed on adjacent landowner farms.
<b>15 Public Participation</b>					
We are grateful that you met with our village and we did not need to go to Rooivaal to attend the meeting.	Lesiba Abraham Mashishia (Chairperson mining forum)	Ditlotswane Village	28 September 2015	Village Meeting	Thank you for the comment.
How do I register as an Interested and Affected Party (I&AP)?	Fortune Mashego	Dipilikomong Village	28 September 2015	Village Meeting	To register as an I&AP's you will have to fill in the attendance register, we will be able to update our stakeholder database and register you as an I&AP's.
Which villages did you consult?	Peter Malotana	Dipilikomong Village	28 September 2015	Village Meeting	The following villages were consulted: <ul style="list-style-type: none"> <li>■ Ditlotswane and Mmotong</li> </ul>

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					<ul style="list-style-type: none"> <li>■ Pudiakgopa, Mautjane ,Kwenaite, Mahlaba ,Basogadi, Matlhaba, Mathoathoasa and Bakenburg Traditional Authority,</li> <li>■ Claremont, Goodhope and Taolome</li> <li>■ Kaditswene and Leyden</li> <li>■ Rooiwal and Malokongkop</li> <li>■ Sepharane, Mapela</li> </ul>
You have been speaking to DMR and the Mogalakwena municipality, but what about community and the local traditional authorities of the area. Part of the consultation should include the community.	Gilbert Pila	Dipilikomong Village	28 September 2015	Village Meeting	Pamish is in the process of setting up a mining forum with representation of all the communities and villages including the traditional council. A variety of villages have been consulted during the scoping and impact assessment phase of the project. The traditional council was also consulted.
For the community to get feedback, do we have to invite you to come back to give us the feedback.	Lesiba Abraham Mashishia (Chairperson mining forum)	Ditlotswane Village	28 September 2015	Village Meeting	The final EIA Report will be placed on the Digby Wells website and feedback will be provided in this CRR.
It is far for us to access the report at Bakenberg.	MF Phadu	Ditlotswane Village	28 September 2015	Village Meeting	Thank you for your comment. Electronic copies of the full EIA Report were made available at all meetings.
Where the reports are in the libraries is too far from us. Do we take our ID book to access the report? Can we have our own copy of the report?	James Lekoto	Leyden Village	30 September 2015	Village Meeting	The report is available on the Digby Wells website and we will also distribute electronic copies of the report at the different meetings. You will not require your ID Book to review the copy of the report placed in library.
We appreciate that you came to give us the information regarding the project, and we will appreciated it if a mining	Margrete Mabje Leyele ( Chairperson )	Leyden Village	30 September 2015	Village Meeting	Thank you for the comment.

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forum can be formed.	Social Development				
Requested DMR email or contact details.	A J Kotzer	Landowner	02 October 2015	Landowners Meeting	This Mining Right Application will be submitted to the DMR in Polokwane. Their contact number is 015 287 4736.
Issues have been raised and no feedback has been provided by Pamish therefore Pamish and their representatives are not allowed on the property.	AJ Kotze	Landowner	02 October 2015	Landowners Meeting	It was suggested that a representative from farmers association be included in the mining forum by Pamish. Security forum can be started if the MRA is awarded and approved and construction starts. Access to neighbouring farms will not be required as part of this Project.
Will the government see the comments which have been made in these meetings?	Anonymous	Sepharane Village	02 October 2015	Village Meeting	Yes, all the comments will be included in the CRR which will be submitted to the DMR as part of the final EIA. The DMR will review all comments received, as part of their review and decision making period.
It would be better if people have more time to go through the report. We need to understand the negative impacts better. People need more time to understand the impacts of the mine.	Anonymous	Sepharane Village	02 October 2015	Village Meeting	The EIA process is constrained by the Minerals and Petroleum Resources Development Act as only 300 days are allocated for the complete submission of the Final EIA Report to the DMR. Should this time be exceeded, the applicant may run the risk of losing the Mining Right. The 30 day public comment period is in line with legislative requirements.
Have you responded to the issues raised in the scoping phase?	Emanuel Kekana	Sepharane Village	02 October 2015	Village Meeting	Yes, these have been responded to in the CRR.
Re: Call for a meeting to address concern of community leaders The credible traditional leaders of the community of Bakenberg namely the	Aubrey Langa Bakenberg Royal Family		05 October 2015	Letter	The Bakenberg Traditional Council was consulted as part of this EIA process. A meeting was held with the Bakenberg Traditional Authorities, prior to commencement of the scoping phase, on 23 March

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<p>Bakenberg Royal Family, the Bakenberg Traditional Council (recognised by the Coghsta) and the Executive Committee of Council of Dikgosana hereby call for a meeting with management of Digby Wells Environmental involved with the Pamish Investment's project, in order to discuss concerns around the EIA process that is currently underway in respect of the project.</p> <p>We are concerned that due respect for our living customary law, custom and practices are not observed or adhered to in the process. It is noted that Digby Wells Environmental and Pamish ignore or disregard:</p> <p>1. The customary law that our traditional community observed, despite this being recognised by the Constitution of Republic of South Africa and, relevant to this concern, given effect by the Interim Protection of Informal Land Right Act (IPILRA);</p> <p>2. That the IPILRA prescribes the rules of engagement with the traditional community lawfully occupying communal and state land, and it is particularly applicable in respect of the community's engagement in corporate dealings with commercial land</p>					<p>2015 to present the project and outline the requirements to complete the EIA process. The timing and procedures to conduct the site work required were done in accordance with the Traditional Authority requirements. Five representatives of the Traditional Council are registered on the I&amp;AP database, who were notified of the progress of the project at the various stages. The five representatives from the Bakenberg Traditional Council registered as an I&amp;AP are:</p> <ul style="list-style-type: none"> <li>■ Mr H Masalesa</li> <li>■ Mr E Langa</li> <li>■ Mr L Makgakga</li> <li>■ Mr L Boya</li> <li>■ Mr RK Langa</li> </ul> <p>The public comment period on the Draft EIA Report extended from 10 September to 12 October 2015.</p> <p>For each of the community meetings, the head of the community (The Induna) were personally notified of the proposed meetings, through hand delivered invitations. Each Induna agreed to notify their community of the meeting which subsequently ensured a good attendance. In addition, representatives of the Traditional Council were invited to the community and public meetings through hand delivered, personal invitations. In addition, Chief Phillip Langa was notified in person</p>

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<p>developers that are from outside the jurisdiction of traditional governance system;</p> <p>3. Section 24L of the NEMA read with section 23(6) of the MPRDA provides that other relevant laws governing protection and management of the environment must be complied with for approval of integrated environmental management authorisation and granting of mining right. In terms of Schedule 1 of NEMA, the DRDLR under the IPILRA administers environmental management;</p> <p>4. Notwithstanding that the NEMA prescribes minimum public participation process requirement, attention is further drawn to NEMA's policy guidelines relating to protection of the environment; and</p> <p>5. Notwithstanding that the MPRDA does not prescribe the manner of consultation, attention is drawn to Item 2.6 Community Development Element of the Revised Mining Charter. The Charter prescribes that "consistent with international best practices in terms of rules of engagement and guidelines, mining companies must invest in ethnographic community consultative</p>					<p>through hand delivered invitations. Follow up telephonic calls were made to the representatives of the Traditional Council to verify attendance. A signed receipt of acceptance of the hand delivered invitations is available, if required.</p> <p>Furthermore bulk SMS notification was sent out to the full I&amp;AP database and loud hailing was conducted in each of the villages, prior to the meeting. Lastly, an email notification was distributed, together with the full Comments and Response Report to all registered I&amp;APs.</p> <p>The following villages were consulted through community meetings as part of the Scoping and Impact Assessment phase of the EIA process:</p> <ul style="list-style-type: none"> <li>■ Dittlotswane and Mmotong</li> <li>■ Pudiakgopa, Mautjane ,Kwenaite, Mahlaba ,Basogadi, Matlhaba, Mathoathoasa and Bakenburg Traditional,</li> <li>■ Claremont, Goodhope and Taolome</li> <li>■ Kaditswene and Leyden</li> <li>■ Rooiwal and Malokongkop</li> <li>■ Sepharane and Mapela</li> </ul> <p>Furthermore, landowner and key stakeholder meetings were also held. Lastly, a public meeting was held on 3 October 2015 to ensure that community members that couldn't attend the</p>

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<p>and collaborative processes prior to implementation or development of mining projects".</p> <p>It is a concern that Pamish and Digby Wells Environmental are not complying with the abovementioned provisions and our need to be consulted with in terms of the IPILRA, which respect local knowledge systems. One of the key NEMA principles besides the sustainable development principle, is that "environmental management must place people and their needs at the forefront of its concern, and serve their psychological, developmental, cultural and social interests equitably"</p> <p>It is on the basis of the above that the meeting is urgently called. The above traditional structures are jointly available for a meeting on the 14 and 16 October 2015. Dates for a meeting thereafter can be telephonically arranged.</p>					<p>community meetings held during the week will have an opportunity to participate in this process. The public meeting was disrupted by a group of attendees and the meeting subsequently called off due to security concerns.</p> <p>This EIA process and associated public participation was undertaken in line with the requirements set out in the National Environmental Management Act and associated EIA Regulations. Furthermore, the requirements outlined in the MPRDA have also been followed to meet legislative requirements.</p> <p>It is the opinion of Digby Wells that despite the disruption and cancellation of the public meeting due to security concerns, adequate public engagement was undertaken during both the Scoping and Impact Assessment phases of the EIA process to make an informed decision.</p>
<p>As the meeting was disrupted on Saturday between Pamish, Digby wells &amp; the community of bakenberg at the stadium by cronies who don't even reside in bakenberg it is a major regret for us residents &amp; hopes.</p> <p>Regardless of what happened we had hoped to get clarity by ensuring what exactly are the minerals on the new</p>	<p>Daddy koenaite Mining liaison officer Mandated by council at chief Kwanaite newsstands</p>		07 October 2015	Email	<p>Thank you for your comments. The proposed operation will mine the Magnetite Mineral seam. A Mining Forum will be established which will include representatives of various communities, including the Traditional Authority and the Local Municipality. This forum will ensure that community members that reside in the immediate vicinity of the mine will be allowed to participate in this project.</p>

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proposed mine near basogadi sepharane in the kingdom of king Langa & chieftaincies that are involved or supposed to be involved.					The final EIA Report will be released for a 21 day public comment period, in which any remaining comments can be submitted. All comments received will be submitted directly to the DMR for review and consideration in their decision making process.
<b>16 Socio-Economic</b>					
What is going to happen to our cattle?	Dinah Langa	Dipilokomong Village	28 September 2015	Village Meeting	The potential loss of grazing land has been identified and assessed as economic displacement as part of the EIA process. The proposed mine will utilise approximately 1 000 hectares of the full 10 109 hectares mining right area. The remaining 9 109 hectares will be available for which grazing can be undertaken. Compensation measures will need to be agreed to by all parties, should economic displacement be unavoidable.
What improvements will there be for the community?	Elias Lamola	Taolome Village	29 September 2015	Village Meeting	<p>The Applicant intends to establish a Community Trust, if the Mining Right is issued. The purpose of the Community Trust is to channel benefits associated with the mine to the surrounding communities. The Trust will be comprised of representatives of the community and tribal authority, but the structure of the trust is not yet confirmed.</p> <p>The Social and Labour Plan submitted to the DMR has identified a number of opportunities for community members. These opportunities include training, skills development, and prioritisation of employment, bursaries and Small to Medium Size Enterprises. Furthermore, indirect benefits include</p>

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					<p>increase in expenditure in the communities and increased local tax base.</p> <p>The Macro Economic and Social Impact Assessment identify a number of positive impacts associated with the project. Please refer to Appendix N and O, respectively, for the full reports.</p>
We would like water for our cattle.	Elias Lamola	Taolome Village	29 September 2015	Village Meeting	<p>The applicant is currently in the process of securing a water source for the proposed mine. The exact volumes of water allocated to this mine is not yet confirmed. The applicant can only confirm if water can be made available for cattle when the volume of water secured, can be confirmed.</p>
How would compensation work? We breed exotic game we suggest that a policy be drafted.	J A Kotzer	Landowner	02 October 2015	Landowners Meeting	<p>The blasting of the proposed open pits may result in negative impacts to game farms. The blasting process will need to be monitored and complaints/ concerns can be raised either through the proposed local mining forum (on which the farmers' association will have a representative) or via the grievance mechanism proposed as part of the EIA process.</p> <p>The loss of cattle associated with the mining operation will need to be investigated and if the mine is responsible for the loss of cattle, suitable compensation measures will need to be agreed to by all parties concerned.</p>
<b>16.1 Community Development</b>					
Will there be any development for the community.	Tebogo Mokomme	Dipilokomong Village	28 September 2015	Village Meeting	<p>The Applicant intends to establish a Community Trust, if the Mining Right is issued. The purpose of</p>

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					<p>the Community Trust is to channel benefits associated with the mine to the surrounding communities. The Trust will be comprised of representatives of the community and tribal authority, but the structure of the trust is not yet confirmed.</p> <p>The Social and Labour Plan submitted to the DMR has identified a number of opportunities for community members. These opportunities include training, skills development, and prioritisation of employment, bursaries and Small to Medium Size Enterprises. Furthermore, indirect benefits include increase in expenditure in the communities and increased local tax base.</p> <p>The Macro Economic and Social Impact Assessment identify a number of positive impacts associated with the project. Please refer to Appendix N and O, respectively, for the full reports.</p>
Will there be bursaries for Schools.	Alphius Dwayidwayi	Dipilokomong Village	28 September 2015	Village Meeting	Yes, bursary programs will be run for community members. The bursary programs will be focussed on the mining sector.
Is the company going to do anything for school children?	Tshemi Tshilabi	Taolome Village	29 September 2015	Village Meeting	The SLP has identified a number of opportunities for school children, including bursary opportunities, skills development and subsequent employment as well as Small to Medium Size Enterprises.
Children do not have school uniforms, and do not have churches and road signs.	Gabrial Modiba	Taolome Village	29 September 2015	Village Meeting	If the Mining Right is issued, community needs must be raised through the local mining forum. It is at that point the applicant can confirm the types of

COMMENT RAISED	CONTRIBUTOR	ORGANISATION / COMMUNITY	DATE	METHOD	RESPONSE
					community investments that can be made.
How are you going to empower women?	Lesiba Lamola	Taolome Village	29 September 2015	Village Meeting	Men and Women will be given equal opportunity to the benefits of the proposed mine.
How all the 15 Communities going benefit from the mine.	Stephen Matlou	Leyden Village	30 September 2015	Village Meeting	<p>The Applicant intends to establish a Community Trust, if the Mining Right is issued. The purpose of the Community Trust is to channel benefits associated with the mine to the surrounding communities. The Trust will be comprised of representatives of the community and tribal authority, but the structure of the trust is not yet confirmed.</p> <p>The Social and Labour Plan submitted to the DMR has identified a number of opportunities for community members. These opportunities include training, skills development, and prioritisation of employment, bursaries and Small to Medium Size Enterprises. Furthermore, indirect benefits include increase in expenditure in the communities and increased local tax base.</p> <p>The Macro Economic and Social Impact Assessment identify a number of positive impacts associated with the project. Please refer to Appendix N and O, respectively, for the full reports.</p>

COMMENT RAISED	CONTRIBUTOR	ORGANISATION / COMMUNITY	DATE	METHOD	RESPONSE
Some responsibility falls to government for development. Is there a plan to develop the villages outside of the SLP?	Tebogo Mashabane	Nkagautha Village	01 October 2015	Village Meeting	The SLP will inform the specific investments made into the villages. However, the applicant will work with the local municipality and local communities to determine the specific needs. Investments outside of the SLP will be considered by the applicant, as and where applicable.
Which method will you use to give bursaries? How will those without qualifications and experience be accommodated?	J R Mabusela	Nkagautha Village	02 October 2015	Village Meeting	<p>All learners will be allowed to apply for bursaries in a variety of fields within the mining sector (i.e. engineering, surveying, artisans etc). The selection made will be based on the best candidate and a successful candidate will obtain a certificate/ qualification.</p> <p>Apart from bursaries, Learnership and on the job training will also be provided to ensure that individuals without the required experience can be accommodated.</p>
We believe having shares in the mine which dividends thereof will be deposited in a trust so that we can build for ourselves a technical college, university and other things in our area to develop our community so eradicate our little brothers & sisters to go very far in search of expensive education which sets back our people backwards financially and to curb high influx migration to Gauteng and other areas in the country so that those who go far it will be out of choice and not compulsion of lack of infrastructure. We believe	Daddy koenaite Mining liaison officer Mandated by council at chief Kwanaite newsstands		07 October 2015	Email	<p>The Applicant intends to establish a Community Trust, if the Mining Right is issued. The purpose of the Community Trust is to channel benefits associated with the mine to the surrounding communities. The Trust will be comprised of representatives of the community and tribal authority, but the structure of the trust is not yet confirmed.</p> <p>The Social and Labour Plan submitted to the DMR has identified a number of opportunities for community members. These opportunities include training, skills development, and prioritisation of employment, bursaries and Small to Medium Size</p>

COMMENT RAISED	CONTRIBUTOR	ORGANISATION / COMMUNITY	DATE	METHOD	RESPONSE
there are a lot of things we can do to create jobs accessibility to infrastructure & development.					Enterprises. Furthermore, indirect benefits include increase in expenditure in the communities and increased local tax base.  The Macro Economic and Social Impact Assessment identify a number of positive impacts associated with the project. Please refer to Appendix N and O, respectively, for the full reports.
Since you are going to be rich out of that mine if granted it's only fair that our community get a stake to develop ourselves & community. We need to discuss a lot of things including how the supply chain is going to be handled including assurance letters from the mine that will ensure that companies who won't have money to deliver on their contracts can get help through mine insuring money will be paid in bank accounts where the lender and the borrower are co-signatories or sessions will signed to help emerging suppliers to conduct business with the mine.	Daddy koenaite Mining liaison officer Mandated by council at chief Kwanaite newsstands		07 October 2015	Email	The Applicant intends to establish a Community Trust, if the Mining Right is issued. The purpose of the Community Trust is to channel benefits associated with the mine to the surrounding communities. The Trust will be comprised of representatives of the community and tribal authority, but the structure of the trust is not yet confirmed.  The details of the supply change and procurement process is not yet defined. This will be finalised, if the Mining Right is issued, together with community inputs.  The Macro Economic and Social Impact Assessment identify a number of positive impacts associated with the project. Please refer to Appendix N and O, respectively, for the full reports.
<b>16.2 Employment</b>					
What strategy will be used to employ people?	Marapo Mashasha	Dipilokomong Village	28 September 2015	Village Meeting	Pamish Investments has committed to employ locally as far as possible. Where the required skills are not available within the immediate communities,

COMMENT RAISED	CONTRIBUTOR	ORGANISATION / COMMUNITY	DATE	METHOD	RESPONSE
					then recruitment will extend beyond the local region.
What employment will be provided?	Tebogo Mokudu	Dipilokomong Village	28 September 2015	Village Meeting	500 jobs will be created during construction and 150 during operation of the mine.
People must not be employed according to their political parties.	Valiy Langa	Dipilokomong Village	28 September 2015	Village Meeting	The best person for the job will be employed regardless of their political affiliation.
Women must also be taken into consideration in terms employment.	Martha Mbiza	Dipilokomong Village	28 September 2015	Village Meeting	Employment will be undertaken in line with South African legislation which includes employment equity.
During hiring of people, where are they going to submit their CVs, we don't have Internet facilities or emails.	Monika Lamola	Taolome Village	29 September 2015	Village Meeting	If the Mining Right is granted, recruitment offices will be set up by the applicant and all communities will be notified of this.
What qualifications does one need to be able to work on the mine?	David Masogo	Taolome Village	29 September 2015	Village Meeting	The qualifications required varies, depending on the nature of the job required. Skills positions such as engineers will require a University Degree, whereas semi-skilled positions (such as accountants, administrative clerks etc.) will require a Matric Certificate. The specific qualifications required will only be confirmed, if the Mining Right is approved.
What qualifications does one need to be able to work on the mine, will skilled and unskilled jobs be available.	Monika Lamola	Taolome Village	29 September 2015	Village Meeting	The qualifications required varies, depending on the nature of the job required. Skills positions such as engineers will require a University Degree, whereas semi-skilled positions (such as accountants, administrative clerks etc.) will require a Matric Certificate. The specific qualifications required will only be confirmed, if the Mining Right is approved.

COMMENT RAISED	CONTRIBUTOR	ORGANISATION / COMMUNITY	DATE	METHOD	RESPONSE
Is Engineering the only qualification required for jobs at the mine?	Iphrame Phala	Leyden Village	30 September 2015	Village Meeting	The qualifications required varies, depending on the nature of the job required. Skills positions such as engineers will require a University Degree, whereas semi-skilled positions (such as accountants, administrative clerks, drivers etc.) will require a Matric Certificate. The specific qualifications required will only be confirmed, if the Mining Right is approved.
What criteria will be use to employ people from each village?	Johannes Monene	Leyden Village	30 September 2015	Village Meeting	Recruitment will be prioritised for surrounding villages. Should the required qualifications not be met by local communities, then the applicant will consider people from outside of the region to fulfil the required skills sets.
During construction there is enough employment. But during mining operation not enough employment will be offered how we can make more jobs available.	Karzer Matlong	Nkagautha Village	01 October 2015	Village Meeting	<p>The size and production capacity of the mine is linked to the number of employment opportunities during the operational phase.</p> <p>Should the proposed mine expand in size and capacity, then additional jobs may become available. However, this is not proposed as part of this EIA process.</p> <p>Lastly, the applicant intends to invest in small to medium size enterprises that are not linked to mining. The purpose of these enterprises is to increase the indirect employment opportunities created by the proposed mine.</p>
During construction the 500 jobs is good but there will be too few jobs during the operation of the mine.	Kaizer Mklokong	Nkagautha Village	01 October 2015	Village Meeting	The size and production capacity of the mine is linked to the number of employment opportunities during the operational phase.

COMMENT RAISED	CONTRIBUTOR	ORGANISATION / COMMUNITY	DATE	METHOD	RESPONSE
					Should the proposed mine expand in size and capacity, then additional jobs may become available. However, this is not proposed as part of this EIA process.
She wants to know of the 500 people to be employed will this include people from all the communities.	Ms Mabusela	Nkagautha Village	01 October 2015	Village Meeting	Employment will be prioritised in the surrounding communities, as far as possible. Where the required qualifications are not available, the applicant will then need to recruit outside of the local communities.
Where are you going to host the recruitment offices	Robert Legato	Nkagautha Village	01 October 2015	Village Meeting	The location of the recruitment office has not yet been determined. This will be confirmed, if the Mining Right is awarded.
What about general workers recruitment, this needs to be done fairly the granite mine employed people based on their surnames.	Tebogo Ledwaba	Nkagautha Village	01 October 2015	Village Meeting	Legislative practice on recruitment will be abided too,
When it is time to employ people, will it be people from here? What about people from KZN?	Michael Moloi	Nkagautha Village	01 October 2015	Village Meeting	Employment will be prioritised in the surrounding communities, as far as possible. Where the required qualifications are not available, the applicant will then need to recruit outside of the local communities.
Will workers be provided with transport?	Michael Moloi	Nkagautha Village	01 October 2015	Village Meeting	These details have not yet been confirmed. This will be determined, if the Mining Right is awarded.
What qualifications will be needed to get a job?	Daniel Mashaba	Nkagautha Village	01 October 2015	Village meeting	The qualifications required varies, depending on the nature of the job required. Skills positions such as engineers will require a University Degree, whereas semi-skilled positions (such as accountants, administrative clerks, drivers etc.) will require a Matric Certificate. The specific qualifications required will only be confirmed, if the Mining Right is approved.

COMMENT RAISED	CONTRIBUTOR	ORGANISATION / COMMUNITY	DATE	METHOD	RESPONSE
How can people with companies get involved with the mine?	Earnest Kongane	Nkagautha Village	01 October 2015	Village Meeting	If the Mining Right is approved, vendor requirements for the proposed mine will need to be defined. A Vendor Registration process will need to be followed and all registered vendors will be made aware of the tender opportunities to participate.
Too few people will be employed.	Elias Shivambu	Sepharane Village	02 October 2015	Village Meeting	The size and production capacity of the mine is linked to the number of employment opportunities during the operational phase.  Should the proposed mine expand in size and capacity, then additional jobs may become available. However, this is not proposed as part of this EIA process.
How many people will the mine employ?	Elsina Selatlwa	Sepharane Village	02 October 2015	Village Meeting	There will be approximately 500 people employed during construction and approximately 150 people during operation.
How many people per village will be employed?	Philimon Mmowatshe	Sepharane Village	02 October 2015	Village Meeting	The proposed project will not employ the same number of people from each of the surrounding villages. The best candidates identified in the surrounding villages will be short listed for employment opportunities. However, Pamish has committed to employ locally as far as possible.
500 people for construction are a good amount of people, but 150 people during operation is not very many.	Irene Matjeke	Sepharane Village	02 October 2015	Village Meeting	The size and production capacity of the mine is linked to the number of employment opportunities during the operational phase.  Should the proposed mine expand in size and capacity, then additional jobs may become available. However, this is not proposed as part of this EIA

COMMENT RAISED	CONTRIBUTOR	ORGANISATION / COMMUNITY	DATE	METHOD	RESPONSE
					process.
Are people from outside the villages going to be considered for employment?	Lucricia Papo	Sepharane Village	02 October 2015	Village Meeting	Priority for employment will be given to surrounding villages. Should the required qualifications/ skills not be available, then the applicant will explore communities outside of the region.
What ages will be employed?	Jacob Mashiane	Sepharane Village	02 October 2015	Village Meeting	A minimum age of 18 years and older is required, in line with the labour law of the country.
Will people go through health checks before they are employed?	Jeremy Lomola	Sepharane Village	02 October 2015	Village Meeting	As required by the mine health and safety act employees will be checked before they are employed and will have to go for annual health checks as well.
So far the issue of just having our local people to benefit in jobs only is an injustice to us.	Daddy koenaite Mining liaison officer Mandated by council at chief Kwanaite newsstands		07October 2015	Email	Priority will be given to local communities as far as possible. Should the required qualifications not existing in the adjacent communities, the applicant will recruit from outside of the immediate communities.
Another thing is we already heard news that a guy from Tsakane springs has been already hired to do blasting & he is already residing in Mokopane to resume duties which is unfair for our people & your promise for 500 jobs which will do nothing much for our community.	Daddy koenaite Mining liaison officer Mandated by council at chief Kwanaite newsstands		07October 2015	Email	The applicant can confirm that no appointment for a blast specialist has been made for this project. Only if the Mining Right is awarded, then recruitment of individuals will commence.
We will be very happy for our young if they can work, and would like to have more information of the project.	Jonas Lamola		12 October 2015	Written Comment	Thank you for your comment. If the Mining Right is approved, then all registered I&APs will be notified of the decision on the project. At this stage, the applicant will commence with further interaction with the communities as well as notify them of the timing

COMMENT RAISED	CONTRIBUTOR	ORGANISATION / COMMUNITY	DATE	METHOD	RESPONSE
					of the project.
<b>16.3 Resettlement</b>					
Will any resentment be required for the project?	M M Mashitsho	Ditloswane Village	28 September 2015	Village Meeting	No resettlement will be required.
If the mineral is found close to houses will there be a resettlement?	Samuel Mokaka	Leyden Village	30 September 2015	Village Meeting	No resettlement will be requested. If new minerals are discovered, outside of the proposed open pit areas, then an amendment to this Mining Right process will be required. If minerals are discovered outside of the Mining Right Area, then a full Mining Right Application process will need to be followed, including community consultation, before any activities can commence.
<b>16.4 Compensation</b>					
If the mine is going to be developed in my yard will I be compensated?	Elias Shivambu	Sepharane Village	02 October 2015	Village Meeting	The proposed infrastructure area will not enter into the homes of any adjacent residents, and therefore no resettlement is proposed.
<b>16.5 Training</b>					
Twenty people from Pudi ya Kgopa were trained for the survey by Digby Wells but they were not used.	Erasmus Mashiane	Dipilokomong Village	28 September 2015	Village Meeting	The people trained by Digby Wells for purposes of the Social Assessment surveys were utilised during the baseline information collection process. All individuals trained completed the questionnaire with the various communities.
Most of the people here are not trained they should be taken for training before the mine starts.	Carl Mohlaka	Dipilokomong Village	28 September 2015	Village Meeting	The proposed project will include for skills development and on the job training. The purpose of this is to ensure that untrained individuals within the communities are also given an opportunity to benefit from the proposed project.
The mine will provide jobs for skilled and unskilled people. Pamish should	George Maletse	Taolome Village	29 September 2015	Village Meeting	The proposed project will include for skills development and on the job training. The purpose of

COMMENT RAISED	CONTRIBUTOR	ORGANISATION / COMMUNITY	DATE	METHOD	RESPONSE
train local people so that they can work on the mine.					this is to ensure that untrained individuals within the communities are also given an opportunity to benefit from the proposed project. There will also be SMME training for people who will not work on the mine.
Literacy levels are low and this will be a problem when it comes to the employment of people.	Rueben Mashego	Waterburg District Municipality	01 October 2015	Key Stakeholder Meeting	There will be ABET training as part of the SLP for those employees without matric. Pamish has also committed to bursaries for school leavers.
How will the bursaries work, will it be for children with Matric.	Ifrahim Mabusela	Nkagautha Village	01 October 2015	Village Meeting	The specific structure of the bursary program will be confirmed, if the Mining Right is issued. Bursary opportunities will be advertised at schools and prioritised for local communities.
How are bursaries going to be implemented?	Tebogo Mashabane	Nkagautha Village	01 October 2015	Village Meeting	The specific structure of the bursary program will be confirmed, if the Mining Right is issued. Bursary opportunities will be advertised at schools and prioritised for local communities.
People do not have qualifications how will they get employed?	Elias Shivumbu	Sepharane Village	02 October 2015	Village Meeting	As part of the SLP, the proposed mine will provide on the job training, skills development opportunities, learnerships and bursaries. This will allow members of the community to obtain the required qualifications or skills sets to work at the proposed mine.
<b>17 Water</b>					
How are rivers and wetlands going to be affected by the proposed mine.	Corlard Manake	Ditlotswane Village	28 September 2015	Village Meeting	Surface and groundwater impact assessments have been undertaken (refer to Appendices G and H respectively), with the findings presented as part of the EIA Report. The studies assessed potential impacts on water quality and quantity, with respect to surrounding receptors. These studies developed and recommended mitigation and management plans to manage potential impacts to surface and groundwater resources.

COMMENT RAISED	CONTRIBUTOR	ORGANISATION / COMMUNITY	DATE	METHOD	RESPONSE
					<p>A Stormwater management plan was compiled for the project (Section 5) based on GN 704 of the National Water Act no 36 of 1998 and DWS best practice guidelines. GN 704 ensures that all dirty water generated from the proposed mining activities is contained, whilst all clean water is diverted away to the downstream environment. Conceptual designs such as PCD sizes and anticipated peak discharges on channel sections are calculated; such that all dirty water (polluted water) emanating from the mine is contained and does not enter the downstream clean water environment.</p> <p>The final drawdown cone extends approximately 1 km from the pit areas in the northern, southern and eastern directions, limited by the hills located east and west of the pit areas. The dewatered extent at LOM extends approximately 1.5 km northwest of Pit 1, but does not impact on any groundwater users. The proposed mine area has a total of 184 hectares of wetlands. Based on the proposed infrastructure layout, a total of 4.8 hectares of wetland area will be lost. In addition, the catchment area of the remaining wetlands on-site will be reduced. The detailed wetland impacts assessment is attached as Appendix L of the Final EIA Report.</p>
We do not have water.	Gabrial Modiba	Taolome Village	29 September 2015	Village Meeting	<p>The Applicant is currently in negotiations to secure a water allocation from the Flag Boshiela Dam Project. Should the allocation be confirmed, a water pipeline to transfer the raw water to the mine will need to be constructed. No groundwater or surface water will be utilised for the operation of the mine. At this stage,</p>

COMMENT RAISED	CONTRIBUTOR	ORGANISATION / COMMUNITY	DATE	METHOD	RESPONSE
					the applicant cannot commit to the provision of water for communities, until such time the water allocation from the Flag Boshiela Project has been secured.
<b>17.1 Ground Water</b>					
Will our groundwater quantity decrease because of the mining activities? If yes, will they supply us with water?	Sarah Motshi	Nkagautha Village	01 October 2015	Village Meeting	<p>No water will be extracted from groundwater resources.</p> <p>The numerical model indicated that the final drawdown cone extends approximately 1 km from the pit areas in the northern, southern and eastern directions, limited by the hills located east and west of the pit areas. The dewatered extent at LOM extends approximately 1.5 km northwest of Pit 1, but does not impact on any groundwater users.</p> <p>Note, a Stormwater management plan was compiled for the project based on GN 704 of the National Water Act no 36 of 1998 and DWS best practice guidelines.</p> <p>This ensures that all dirty water generated from the proposed mining activities is contained within the pollution control dams (PCD), whilst all clean water is diverted away to the downstream environment. Therefore, no contamination of the rivers will occur.</p> <p>Water quality monitoring plan has also been provided to enable detection of water quality impact thereby implement the necessary remedial measures as explained in section 7 of the EIA report.</p> <p>A copy of the full groundwater assessment is attached as Appendix H of the EIA Report.</p>

COMMENT RAISED	CONTRIBUTOR	ORGANISATION / COMMUNITY	DATE	METHOD	RESPONSE
<p>Have boreholes levels and quality been tested? Is the info available?</p> <p>Louis Botha has a borehole on his farm and he is busy developing an irrigation system. Has this borehole been tested?</p>	S E Kotze	Landowner	02 October 2015	Landowners Meeting	<p>As part of the groundwater study, a hydrocensus was undertaken in which the water volumes and qualities were observed. This information is contained in the Groundwater Assessment attached as Appendix H of the EIA Report.</p> <p>73 boreholes were tested as part of the ground water study. The borehole in question was not tested as part of the groundwater hydrocensus, but has subsequently been included into the monitoring network for the project.</p>
For the dewatering of the pit where will this water go.	S E Kotze	Landowner	02 October 2015	Landowners Meeting	The water accumulation within the pit area is classified as dirty water. Due to potential contaminants, water pumped out from the pits will be transferred into the Pollution Control Dams and re-circulated for use within the Concentrator Plant.
<b>17.2 Water Quality</b>					
What happens to the clean water that falls on the site?	Jaun Rhodes	Landowner	02 October 2015	Landowners Meeting	<p>As part of the mitigation measures proposed for the surface water management of the site, a clean and dirty water separation system has been put forward. The purpose of this system is to ensure that dirty water generated on-site doesn't contaminate the clean water system. The clean water will be diverted around all infrastructures and allowed to run off site.</p>

## Appendix A: Response to queries on legislative standards for Air Quality, Water Quality and Noise.

### Air Quality Standards for PM10, PM2.5 and Dust

National Ambient Air Quality Standard for Particulate Matter (PM <sub>10</sub> )			
Averaging Period	Limit Value (µG/M3)	Frequency Of Exceedance	Compliance Date
24 hour	120	4	Immediate – 31 December 2014
24 hour	75	4	1 January 2015
1 year	50	0	Immediate – 31 December 2014
1 year	40	0	1 January 2015
The reference method for the determination of the PM <sub>10</sub> fraction of suspended particulate matter shall be EN 12341.			

National Ambient Air Quality Standard for Particulate Matter (PM <sub>2.5</sub> )			
Averaging Period	Concentration	Frequency Of Exceedance	COMPLIANCE DATE
24 hours	65 µg/m <sup>3</sup>	4	Immediate – 31 December 2015
24 hours	40 µg/m <sup>3</sup>	4	1 January 2016 – 31 December 2029
24 hours	25 µg/m <sup>3</sup>	4	1 January 2030
1 year	25 µg/m <sup>3</sup>	0	Immediate – 31 December 2015
1 year	20 µg/m <sup>3</sup>	0	1 January 2016 – 31 December 2029
1 year	15 µg/m <sup>3</sup>	0	1 January 2030
The reference method for the determination of the PM <sub>2.5</sub> fraction of suspended particulate matter shall be EN 14907.			

Restriction Areas	Dust fall rate (mg/m <sup>2</sup> /day, 30-days average)	Permitted Frequency of exceeding dust fall rate
Residential Area	D < 600	Two within a year, not sequential months
Non-Residential Area	600 < D < 1200	Two within a year, not sequential months

## **Noise Thresholds:**

Type of District	Equivalent continuous rating level ( $L_{Reg,T}$ ) for noise (dBA)					
	Outdoors			Indoors, with open windows		
	Day-night	Day-time	Night-time	Day-night	Day-time	Night-time
	$L_{R,dn}^a$	$L_{Req,d}^b$	$L_{Req,n}^b$	$L_{R,dn}^a$	$L_{Req,d}^b$	$L_{Req,n}^b$
<b>Residential Districts (measured in Decibels)</b>						
a) Rural districts	45	45	35	35	35	25
b) Suburban districts with little road traffic	50	50	40	40	40	30
c) Urban districts	55	55	45	45	45	35
<b>Non-Residential Districts (measured in Decibels)</b>						
d) Urban districts with some workshops, with business premises, and with main roads	60	60	50	50	50	40
e) Central business districts	65	65	55	55	55	45
f) Industrial districts	70	70	60	60	60	50

# **South African National Standards (SANS) 241 Drinking Water Quality Standards:**

Date	Sample ID		Total Dissolved Solids*	Nitrate NO <sub>3</sub> as N*	Chlorides as Cl*	Total Alkalinity as CaCO <sub>3</sub> *	Sulphate as SO <sub>4</sub> *	Calcium as Ca*	Magnesium as Mg*	Sodium as Na*	Potassium as K*	Iron as Fe*	Manganese as Mn*	Conductivity at 25° C in mS/m	pH-Value at 25° C	Aluminium as Al*	Free and Saline Ammonia as N*	Fluoride as F*
	Class I	(Recommended)	<1000	<10	<200	N/S	<400	<150	<70	<200	<50	<0.2	<0.1	<150	5-9.5	<0.3	<1	<1
	Class II	(Max. Allowable)	1000-2400	10-20	200-600	N/S	400-600	150-300	70-100	200-400	50-100	0.2-2	0.1-1	150-370	4-5 or 9.5-10	0.3-0.5	1-2	1-1.5
		Duration	70 years	70 years	70 years	N/S	70 years	70 years	70 years	70 years	70 years	70 years	70 years	70 years	No Limit	1 year	None	1 year

\*Unit for parameters = mg/L