

SUMMARY OF ISSUES RAISED BY REGULATORY AUTHORITIES AND IAPs

ISSUE RAISED	BY WHOM AND WHEN	RESPONSE GIVEN BY PROJECT TEAM
Consultation issues		
I would like to suggest that a mining forum is established where mines and farmers can engage on a regular basis.	Gert Theart, comments raised at public scoping meeting on 26 th November, 2013	Kudumane will engage with neighbouring mines to discuss the possibility of initiating such a forum.
Land use issues		
Given the close proximity between the Hotazel town and residential area, and the area over which Kudumane is applying for a mining right, a number of environmental concerns and impacts arise. In particular, there is noise, dust, and air pollution and further possible groundwater contamination. We require that these issues receive specific attention as it relates to the impacts on the Hotazel town.	Dineo Peta, comments on behalf of BHP Billiton, received by email on 26 th November, 2013 and discussed during scoping meeting	At this stage it is not expected that the Kudumane mine will encroach further towards the town of Hotazel in a manner that should exacerbate the existing impacts to noise, air and groundwater pollution. Kudumane will continue to use the existing road close to Hotazel for access to the mine. Your concerns in this regard have been noted and will be further addressed in the EIA/EMP Phase.
<p>The farm Hotazel 280 incorporates the town of Hotazel. Hotazel Manganese Mines (Pty) Ltd (“HMM”) is the landowner of the farm and further owns the majority of the property in town. Our concern pertaining to the proposed mining activity is that it is situated on the farm where current and proposed residential properties exist: In this regard, the following should be noted:</p> <ul style="list-style-type: none"> • Hozazel is a formally proclaimed town of the Joe Morolong Local Municipality. The current population of Hotazel is conservatively over 2500 people, and it contains, among other infrastructure, two schools, a library, and sporting facilities. • Detailed studies have been conducted by HMM relating to the development of this land for residential and commercial purposes. 	Dineo Peta, comments on behalf of BHP Billiton, received by email on 26 th November, 2013	Kudumane has noted your concern. Kudumane is in discussions with various role players in this regard. In line with your request, the specialist studies will be undertaken in line with the requirements of the Equator Principles, International Finance Corporation and World Bank Guidelines and will assess the impact of the proposed mining activities on this development. Relevant mitigation measures will be incorporated in the final EIA/EMP report.

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<p>The process of residential development is currently underway in Hotazel, phase 1 was constructed between 2010 and 2012 and the development of phase 2 is currently in the process of planning. The conceptual design of phases 3 and 4 have been completed. These phases are necessary in order to ensure that the town of Hotazel expands in order to cater for housing requirements of employees from a number of mines in the area, as well as the further sustainable development and growth of the region. The town of Hotazel has been identified by government as a local node.</p> <p>It is understood that mining activities will be on the west boundary of the farm Hotazel 280. A large section to the west of the R380 has already been proclaimed as part of the town commonage of Hotazel, as well as having an EIA conducted thereon for future township development. The EIA was completed and approved in 2010. Phase 3 and 4 of the Hotazel town development occur up to this farm boundary.</p> <ul style="list-style-type: none"> HMM is further the owner of the property where the Hotazel airstrip is located and utilises this facility to fly in and out, employees and service providers on an almost daily basis. The proposed mining activities could also have a potential impact thereon. <p>In light of the above, the proposed activities will have an impact on the further development of the township. Given these</p>		

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<p>circumstances, we require further engagement so as to meet a mutually acceptable agreement in terms of how the mining activities and the township can proceed without interference to these respective priorities.</p>		
Groundwater issues		
<p>I am concerned about the groundwater on the western boundary of Telele. There is an underground lake called the Kathu Grysland which flows from the Ga-Mogara. If Kudumane is proposing underground mining close to this water resource, the mine will be flooded.</p>	<p>Gert Theart, comments raised at public scoping meeting on 26th November, 2013</p>	<p>This will be assessed in the EIA/EMP. The terms of reference for this specialist study are laid out in Section 6.1.7 of the Scoping Report.</p>
<p>There is water underneath the red clay layer underground. I am concerned that the underground mining and opencast operations will draw water from the Kathu Grysland water reserve. There will be no way of replenishing this.</p>		
<p>I am concerned about the cumulative impact that mining will have on a regional scale. Will the Kalahari dyke be depleted?</p>	<p>Eben Anthonissen, comments raised at public scoping meeting on 26th November, 2013</p>	<p>This will be assessed in the EIA/EMP. The terms of reference for this specialist study are laid out in Section 6.1.7 of the Scoping Report.</p> <p>This water will be re-used on site in the mine's water circuit</p> <p>This will be assessed in the EIA/EMP. The terms of reference for this specialist study are laid out in Section 6.1.7 of the Scoping Report. Currently Kudumane is sourcing water from Sedibeng Water and seepage water from the historical open pits on the mine)</p>
<p>I am concerned about the cumulative impact of yet another mine undertaking dewatering. What will Kudumane's contribution be and how will it continue to be monitored?</p>	<p>Eben Anthonissen, comments raised at public scoping meeting on 26th November, 2013</p>	
<p>What will happen to the water after it has been dewatered?</p>		
<p>The Sedibeng pipeline is already at capacity? There are studies underway for a new pipeline but where will Kudumane get water from in the interim?</p>		
<p>Will Kudumane drill monitoring boreholes? If so we would like to receive the data/reports</p>	<p>Gert Theart, comments raised at public scoping meeting on 26th November, 2013</p>	<p>Kudumane drilled an additional four monitoring boreholes at the beginning of 2014 and these have been added to the existing</p>

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of these boreholes from Kudumane.		monitoring network. Reports/monitoring data will be made available to IAPs by the mine.
Surface Water issues		
What will happen to the treated effluent from the sewage treatment plant?		Treated sewage effluent will be incorporated into the processing water circuit.
Blasting issues		
When the mines blast, dust settles on the Ga-Mogara and it is almost unrecognisable. How is Kudumane going to make sure that there is no blasting damage? For example if a reservoir is damaged from blasting how is it possible to hold a particular mine accountable when there are so many mines blasting? Will blasting be monitored and will a seismograph be installed? We would also like to be notified of the mine's blasting schedule.	Eben Anthonissen, comments raised at public scoping meeting on 26 th November, 2013	IAPs will be provided with a blast schedule upon request. Blasting parameters will be included in the EIA/EMP to ensure the impacts from blasting are adequately mitigated. Kudumane has purchased a seismograph and will ensure that adequate trained personnel monitor all blasts.
Heritage issues		
Along the R3440 there is an old grave close to the existing mine entrance (approximately 500 m on the left hand side). It seems that the grave has already been damaged.	Eben Anthonissen, comments raised at public scoping meeting on 26 th November, 2013	Kudumane will be in contact with Mr Anthonissen so that the grave can be identified and mapped by the mine.
Waste issues		

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<p>The issue of domestic waste and litter should also be brought to the mine's attention. The contractor's vehicles do not stick to the prescribed roads and routes and in addition to this they are not adequately maintained. Waste removal services are particularly bad.</p> <p>The R3340 (Witleegde Road) is of concern to me. The sewage removal trucks dump sewage on the side of the road on several occasions. Can the mine provide some sort of guarantee that the contractors will only use formal routes and roads? Can the mine inspect/maintain the state of the roadsides to make sure that this is not a perpetual problem?</p>	<p>Eben Anthonissen, comments raised at public scoping meeting on 26th November, 2013</p>	<p>Your concerns in this regard have been noted Kudumane will ensure that its contractors adhere to prescribed roads and routes and will discuss with contractors that their vehicles should be adequately maintained.</p>
Socio-economic issues		
<p>On behalf of the Land Restitution Claimants of claim KL 221 I inform you that all the indicated properties are subject to the restitution claim. You are referred to section 104 of the minerals act giving a preferent right to the community. The claimants therefore reject this process of the DMR to award any mineral rights on the land subject to the restitution claim before the claim is settled.</p> <p>Should your company be interested in an agreement with the official claimants in this regard you can inform me.</p>	<p>Jan Wessels, comments by email on 18 November, 2013</p>	<p>SLR will ensure that you concern in this regards is adequately captured and included in the document which will be submitted to the relevant authorities for decision making purposes. In addition, Kudumane will be informed so that they can engage directly with you. SLR will continue to engage with the Land Restitution Claimants with regards to the environmental process.</p>
<p>There are fire protection unions which have been started and comprise various farmers associations. Farmers contribute in terms of labour and capital and fire-fighting equipment. We would like the mines to do the same. This includes the burning of fire</p>	<p>Eben Anthonissen, comments raised at public scoping meeting on 26th November, 2013</p>	<p>Kudumane has noted your request and will investigate means to contribute in this regard.</p>

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breaks. It would be good to have a formal agreement with the mines in this regard.		
There is potential fire hazard associated with job seekers making fires on the side of the roads. Mines need to take responsibility for this even though they are the indirect reasons for these fires. How will the mines mitigate these risks?		The potential socio-economic impacts which may arise as a result of this project will be assessed by a suitably qualified specialist as part of the EIA/EMP process. The terms of reference for this specialist study are laid out in Section 6.1.14 of the Scoping Report. Appropriate mitigation measures in this regards will be incorporated in the EIA/EMP report.
Community safety issues		
There is a continuous influx of people looking for work. Can Kudumane ensure the general public of their safety? How will this be done? There have been several incidents relating to security, this includes poaching.	Eben Anthonissen, comments raised at public scoping meeting on 26 th November, 2013	Kudumane is aware of the socio-economic problems associated with the influx of job seekers. The potential socio-economic impacts which may arise as a result of this project will be assessed by a suitably qualified specialist as part of the EIA/EMP process. The terms of reference for this specialist study are laid out in Section 6.1.14 of the Scoping Report. Appropriate mitigation measures in this regards will be incorporated in the EIA/EMP report.