Droogfontein 5 Solar and Battery Storage Energy Facility: Comments and Response Report (Appendix C6)

Comments received prior to the release of the Draft Basic Assessment Report and during the initial Public Participation 30-day comment period

Organisation	Person	Issue or comment raised	Addressing or incorporation of issue or
		(see Appendix C4 & C5 of the Draft Basic Assessment report)	comment
		In an email dated 01 August 2022, it was requested by the I&AP	Environamics confirmed via email on 02 August
		that specific individuals be registered on the project database.	2022 that the relevant I&APs have been
Globeleg	Marli Schoeman	These include:	registered on the project database and will
		Vertex Associated (City Advances) and Biotom Coulds in a (Association)	therefore be receiving further project related
		Xavier Assegaai (Site Manager) and Pieter Oosthuizen (Asset	information and notification in the future.
		Director) of the existing Droogfontein solar Plant.	
		In an email dated 30 August 2022, it was requested by the I&AP	Environamics sent the updated Locality Map to
		that the locality map needs to be updated, as per the content	the I&AP via email on 31 August 2022. No
		of the email below:	further queries have been received from the
		The sheef of the state of the s	I&AP since.
		Thanks for giving me a call. Would it be possible to also indicate	
		the Droogfontein 1 PV site on the locality map sent with the	
		mail below? As mentioned, it may be one of those already	
		indicated. For clarity Droogfontein 1 on google maps:	
Globeleq	Marli Schoeman	https://goo.gl/maps/5PUyChtnTRGYeRMc7	
		Sivest did the EIA for Droog 2& 3. I also found the following	
		online at	
		https://www.power_technology.com/marketdata/droogfonte	
		in-2-solar-pv-park-south-africa/: "The project was developed	
		by African Clean Energy Developments, Genesis Eco-Energy,	
		Sturdee Energy and SunEdison. The project is currently owned	
		by African Infrastructure Investment Managers with a stake of	
		50.01%, Genesis Eco-Energy and SunEdison."	

The following comments were received from the i&AP via email Environamics responded via email on 04 October dated 30 September 2022 and a letter dated 30 September 2022. 2022: It is noted that the main concerns raised are Email correspondence: related to dust generation, water resource, and waste management. The comments on the Globeleg is responsible for the operation and maintenance of EMPr are noted and subsequently the EMPr has the Boshof and Droogfontein Solar Power facilities. We have been drafted to address the concerns raised. collated our comments in the document attached, note that our comments are based on the Castor Solar PV project The EMPr which addresses the concerns raised Environmental Management Programme, but should be by the I&AP is included in the draft Basic considered for the Droogfontein 4 & 5 project EMPr's as well. Assessment report which has been distributed to Globelea South Marli Schoeman the I&AP for review and comment. Refer to Africa Appendix E1 of the draft Basic Assessment (Environmental Management Content of the letter: Report. Specialist) Services (Pty) Ltd COMMENTS ON THE CASTOR SOLAR PV PROJECT ENVIRONMENTAL MANAGEMENT PROGRAMME, NEAR **BOSHOF, FREE STATE PROVINCE** Globeleg is responsible for the operation and maintenance of the Boshof and Droogfontein Solar Power facilities. We have collated our comments in the document attached, note that our comments are based on the Castor Solar PV project Environmental Management Programme, but should be considered for the Droogfontein 4 & 5 project EMPr's as well.

Our main concerns are focused around dust generation, water resource, and waste management. We request that the following measures are addressed in the EMPr's for these sites:

"Contractors and subcontractors...: A construction plan and method statement must be submitted by the Principal contractor and approved by the Developer and/or his appointed Agent prior to the start of activities on site."

The method statement(s) submitted by the contractor, which relates to activities impacting the environment, should also be approved by the appointed ECO. The method statement(s) should address waste management, dust abatement, water use, rehabilitation and other aspects as stipulated in the EMPr.

"Site Clearing: Areas which are not to be constructed on within two weeks (not months) must not be cleared to reduce erosion risks."

Cleared, and thus loosened soil lying bare for 2 months will significantly increase airborne dust at our sites and have a big impacts on our production. Areas that have been cleared should undergo dust suppression on windy days, or daily.

"Construction Traffic: Damping down of the unsurfaced roads must be implemented to reduce dust and nuisance."

This should specifically include public dirt roads used by construction vehicles. Alternatively, all vehicles related to the construction of the solar plant should adhere to a strict speed

limit on all dirt roads as determined by dust monitoring compared to pre-construction monitoring.

"Guidelines for the stripping and storage of topsoil: The topsoil must be conserved on site in and around the pit area"

Contractors should take note that topsoil should not be stored more than 2 m high to avoid compaction, and at a slope that inhibits erosion (this requirement is stipulated for subsoil and overburden stockpiling). Further, from the document it is not clear whether a gravel pit will be used. Where gravel pits are used, dust barriers or netting should be placed in the direction of the prevailing wind direction.

"Guidelines for soil stockpiles: If stockpiles are exposed to windy conditions or heavy rain, they must be covered..."

Stockpiles will be exposed to windy and rainy conditions, stockpiling methods should include dust abatement measures. This applies to rehabilitation methods as well.

"Litter management: Where a registered waste site is not available close to the construction site, the Contractor shall provide a method statement with regard to waste management."

The method statement should be required irrespective of the availability of a registered landfill site. The method statement should be informed by the waste management hierarchy and

		where disposal of waste is justifiable, no disposal is to take place at any other site than a registered, or municipal landfill site. Where no certificate is produced by the landfill facility, an arrangement must be made to records and maintain evidence of disposal at aforementioned sites. This could take the form of dater photographic evidence, for example, and written approval from the municipality that the waste site may be used. Panel washing: In the table "Proposed Mitigation Measures during the Operational Phase", no consideration is given to panel washing and water sources to be used should panel washing be required. The annual maximum volume required for panel washing should be considered and planned for. In an email dated 30 June 2022, an I&AP contacted Environamics regarding developments in the Northern Cape:	Environamics responded via email on 06 July 2022 and indicated that Environamics is only
Kaofeli Services	Angelo Douwie	We are Safety Training Company base in Upington and have been doing few renewable energy projects and Mining, Our Services are as follow Incase you might be interested or request COMPANY Profile.	involved in the environmental permitting processes for renewable energy developments and not the actual construction an operation phases of the facilities. It was indicated that the I&AP can register on project databases to obtain access to project related documentation. The I&AP requested to be registered on the I&AP database and confirmation of registration was provided to the I&AP by Environamics on 06 July 2022 via email.

I&AP	Nicolene Geco	In an email dated 14 June 2022, an I&AP contacted Environamics to register on the project database following consideration of the site notices placed for the proposed project: As per your the notice for the environmental impact assessment placed at Droogfontein farm. It states that any interested parties in this matter should submit their names and contact details to you. My details are as follows: Nicolene Geco	Environamics responded via email on 14 June 2022 and indicated that the I&AP has been registered on the project database. It was also indicated that further project related information will be submitted to the I&AP for review and comment as part of the process.
Leads 2 Business	Nikita van Tonder	In an email dated 01 July 2022, the I&AP requested the following: I came across an environmental Impact assessment application for the proposed Droogfontein 4 and 5 solar and Bess power plant near Kimberly. I am interested in following the progress of this development and do not have any objections. I follow the progress of projects in South Africa from Conceptual (feasibility) up until construction has reached completion. Please may I ask if you can email me a background information document or motivational memorandum for this development?	Environamics responded via email on 06 July 2022 and requested whether the I&AP would like to be registered on the project database. It was further indicated that the background information document is not available as yet, but will be distributed in due course to registered interested and affected parties. It was also stated that the details requested is not available at the time, however the Applicant name was provided to the I&AP as requested. The I&AP confirmed that she would like to be registered and confirmation of registration was provided by Environamics on 06 July 2022.

_			
		Details of the Client: ?	Further project information (Background
			Information Document) was distributed to the
		Details of the Architect: ?	I&AP following the correspondence.
		Details of the Developer: ?	
		Details of the Principal Agent: ?	
		Details of the Project Manager: ?	
		Any information would be greatly appreciated.	
		The following email was received on 04 August 2022 in	Environamics responded via email on 04 August
		response to the Notification of the Basic Assessment Process:	2022 to indicate that a case file for the project will be created on SAHRIS in due course. The
		Please note that all development applications are processed via	SAHRIS site was not available at the time and it
		our online portal, the South African Heritage Resources	was therefore not possible to access the portal
		Information System (SAHRIS) found at the following link:	for upload.
		http://sahra.org.za/sahris/. We do not accept emailed, posted,	SAHRA confirmed on 04 August that the servers
South African		hardcopy, faxed, website links or DropBox links as official	are down and being fixed.
Heritage		submissions.	 Environamics confirmed on 10 August via email
Resources	Natasha Higgit	Places areata an amplication on CAUDIC and unload all	that the project was uploaded successfully to the
		Please create an application on SAHRIS and upload all	SAHRIS portal. The CaseID is 19269.
Agency (SAHRA)		documents pertaining to the Environmental Authorisation	of thing portain the case is 13233.
		Application Process. As per section 24(4)b(iii) of NEMA and	
		section 38(8) of the National Heritage Resources Act, Act 25 of	
		1999 (NHRA), an assessment of heritage resources must form	
		part of the process and the assessment must comply with	
		section 38(3) of the NHRA.	
		Once all documents including all appendices are uploaded to	
		the case applications, please ensure that the status of the case	

Eskom	John Geeringh	is changed from DRAFT to SUBMITTED. Please ensure that all documents produced as part of the EA process are submitted as part of the application. The following email was received on 08 August 2022 in response to the Notification of the Basic Assessment Process: Please send me a KMZ file that shows the affected property, proposed layout and grid connection. Please find attached Eskom requirements for works at or near Eskom infrastructure, as well as the Eskom setbacks guideline for RE projects. Please note that infrastructure within 2km from a Transmission substation needs to be discussed with Eskom to ensure the substation does not get locked in.	Environamics responded via email on 10 August 2022 and submitted to the I&AP a KMZ file of the affected property, site alternatives and grid connection corridors for the project under assessment. It was also indicated that the requirements for works at or near Eskom infrastructure, as well as the Eskom setbacks guidelines have been submitted to the Applicant. Furthermore, the Applicant has also been informed of the need for discussion with Eskom in terms of developing infrastructure within 2km
Agri Diamantveld L- Unie	Jeremy Bezuidenhout	A letter, dated 02 September 2022, was received via email from the I&AP. The content of the letter is as follows: Voorgestelde Ontwikkeling: Droogfontein Nr. 62, buite Kimberley. Na aanleiding van die Agtergrond Inligtingsdokument oor die beplanning van bogenoemde ontwikkeling, wat ons ontvang het, wil ons meld dat daar by ons laaste vergadering beluit is om u mee te deel dat daar geen beswaar ge-opper is oor die voorgestelde ontwikkeling van die twee persele van ± 300 hektaar elk nie.	from a Transmission substation. The comments were acknowledged by Environamics via email on 05 September 2022. It was confirmed that the I&AP will be receiving further information regarding the development as the Basic Assessment process progresses. It is further noted that the Agri Diamantveld L-Unie does not have any objections towards the development.

South African Heritage Resources Agency (SAHRA)	Natasha Higgitt	September 2022. The comments are as follow: As the proposed development is undergoing an EA Application process in terms of the National Environmental Management	A Heritage Impact Assessment and Palaeontological Impact Assessment (Appendix D5 & D6 of the draft Basic Assessment Report) has been distributed to the official for review and comment.
		The need for development of similar energy developments is significant and of great importance for the country considering that the current electricity supply is creating limitations for growth and development. Interim comment was received from SAHRA in a letter dated 06	A Heritage Impact Assessment and
		We will appreciate regular updates of the processes and steps of the processes as per the information provided in the Background Inofrmation Document. We want to be kept up to date of the progress made on the projects.	
		Following the consideration of the Background Information Document received and discussed during our previous meeting we confirm that there is no objection to the proposed developments of the two 300ha areas.	
		Die behoefte vir meer soortgelyke kragopwekkingsprojekte is buite perke groot en van uiterste belang in hierdie land, aangesien die huidige kragvoorsiening vooruitgang geweldige stremming in groei tot gevolg het. Translation:	
		Ons sal dit waardeer indien u, soos wat die verskillende stappe vorder, in terme van Tabel 1, ons op hoogte van sake sal hou ter wille van die vordering wat met die projek bereik word.	

Act, 107 of 1998 (NEMA), NEMA Environmental Impact Assessment (EIA) Regulations as amended, it is incumbent on the developer to ensure that an application specific Heritage Impact Assessment (HIA) is done as per section 38(3) and 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA) as required by section 24(4)b(iii) of NEMA. This must include an archaeological component, palaeontological component and any other applicable heritage components. The HIA must be conducted as part of the EA Application in terms of NEMA and the NEMA EIA Regulations.

SAHRA requests that an assessment of the impacts to heritage resources that complies with section 38(3) of the NHRA as required by section 38(8) of the NHRA and section 24(4)b(iii) of NEMA be conducted as part of the EA process.

The assessment must include an assessment of the impact to archaeological and palaeontological resources. The assessment of archaeological resources must be conducted by a qualified archaeologist and the report comply with the SAHRA 2007 Minimum Standards: Archaeological and Palaeontological Components of Impact Assessment Reports (see www.asapa.co.za or www.aphp.org.za for a list of qualified archaeologists).

The proposed development is located within an area of moderate Palaeontological Sensitivity as per the SAHRIS PalaeoSensitivity map. As such, a desktop Palaeontological Impact Assessment (PIA) must be undertaken by a qualified palaeontologist. (See https://www.palaeosa.org/heritage-

These studies include an assessment of the archaeology and palaeontology of the site.

The documents have been uploaded to the CaseID on SAHRIS as required by SAHRA.

		practitioners.html for a list of qualified palaeontologists). The report must comply with the 2012 Minimum Standards: Palaeontological Components of Heritage Impact Assessments. Any other heritage resources as defined in section 3 of the NHRA that may be impacted, such as built structures over 60 years old, sites of cultural significance associated with oral histories, burial grounds and graves, graves of victims of conflict, and cultural landscapes or viewscapes must also be assessed. Further comments will be issued upon receipt of the draft BAR documents inclusive of appendices.	
Surrounding landowner	Gillian Titus	An email, dated 13 September 2022, was received by the I&AP following notification of the Basic Assessment process, which reads: Please arrange for a call to discuss the details of this email. We have questions as a family living very close to the development mentioned in your email.	A telephonic discussion was held with the I&AP on 16 September 2022 at 14:00. Specific issues were raised by the I&AP including impacts of the development on the current leisure and tourism activities being undertaken on the property and impacts to livelihood. These concerns were submitted to the social specialist to address as part of the Social Impact Assessment (Appendix E7) included in the draft Basic Assessment Report. Notes of the meeting was distributed to the I&AP on 17 October 2022, and is included in Appendix C of the draft Basic Assessment Report.
Leads 2 Business	Mareez Herselman	An I&AP registration request was received via email on 14 October 2022:	Environamics responded via email on 17 October 2022 and confirmed that the I&AP has been registered on the project database for the

		I just spoke to Lisa and she advised that I email to register my interest in this project to receive updated.	Droogfontein 5 solar energy development near Kimberley. It was further indicated that the I&AP will be receiving further information on the project in future, including the notification of the availability of the draft Basic Assessment Report for review and comment.
WESSA	Morgan Griffiths	In an email, dated 22 September 2022, the following correspondence was received on the Notification of the BA process from WESSA: Thank you for contacting WESSA for comments on this EIA application. WESSA supports the development of green power installations, as an cleaner alternative to the burning of fossil fuels. In balancing the positives and negatives of this technology, WESSA is satisfied that it is a much cleaner power generating technology than carbon-based energy extraction. But solar energy facilities (SEFs) do have a few negatives that need to be looked at, namely:	The support for the development of a renewable energy facility by WESSA is noted. The negative impacts referred to in the comment is responded to in the sections below.
		Land-use: unlike wind facilities, there is less opportunity for SEFs to share land with agricultural or conservation uses. It is crucial SEFS are only sited at lower-quality locations such as brownfields, abandoned mining land, or existing transportation and transmission corridors. Greenfield sites should be avoided. Understanding that vegetation around and under these panels needs to be managed from fire risk and shading aspects, WESSA	The site and directly surrounding areas has already undergone a transformation and disturbance as existing solar energy facilities have been constructed and is currently operational within the affected properties under consideration.

recommends very careful management of the site vegetation, so as to prevent erosion, alien plant infestation and loss of local biodiversity. The EIA should consider assessing the impact of this large-scale solar facility on the receiving land's diversity and abundance of native pollinator insects, birds, and bats. The EIA should also develop technologies and methodologies to better monitor and understand interactions between large-scale solar facilities and avian species, as well as mitigate any currently know and later identified impacts.

The impact of the solar energy facility has been assessed by multiple specialist fields (including but not limited to fauna, flora and terrestrial biodiversity), as appropriate and relevant, and impact assessment reports have been provided to inform the overall impact of the proposed facility on the receiving environment.

Monitoring requirements, as required in terms of the site-specific results, are included the Environmental Management Programme for the facility (Appendix E1 of the draft BAR).

Water-use: WESSA recognises that the solar panels needed to be periodically cleaned for optimal sunlight energy conversion. We are concerned about where this water will be sourced, and what impact that this will have; as well as to the cumulative impact of whatever cleaning chemicals are used on the receiving environment? Can rainwater be collected from the panels for use for cleaning instead? Can water and chemical use be limited by alternative, less impactful methods (such as airhosing?)

Water for the proposed development will most likely be obtained from the local municipality, or alternatively from ground water resources. The Local Municipality has been requested by the Applicant to confirm the water resource availability for the development of the project in order to ensure sustainable water supply. It is foreseen that water use authorisation from the Department of Water and Sanitation would be required by the development.

The Environmental Management Programme for the facility (Appendix E1 of the draft BAR) recommends specific management measures for the washing of the panels which includes:

- Washing of panels must be undertaken in a way that conserves fresh water and encourages limited wastage. The annual maximum volume required for panel washing should be considered and planned for accordingly.
- Biodegradable / environmentally friendly soaps must be used for the washing of panels.

The collection of rainwater (where available) and alternative methods for cleaning of the solar panels will be explored by the Applicant during the pre-construction phase, where relevant.

Hazardous materials: The solar panels are made from hazardous materials. WESSA calls upon by the company that builds this SEF to procure these panels from companies that are complying with their national environmental standards ito of handling, manufacturing and disposing of these hazardous materials. The SEF also needs to be directed to recycle, but if not recyclable, to store and dispose of broken or worn-out panels in the manner required by South African legislation and international best practice relevant for these hazardous materials. And if there isn't a recycling facility for solar panels in South Africa, how can this SEF contribute to bring that about?

WESSA trusts that these issues will be taken into consideration

The Applicant takes note of the requirement to procure the panels from companies that are complying with the national environmental standards i.t.o. of handling, manufacturing and disposing of these hazardous materials.

The Environmental Management Programme for the facility (Appendix E1 of the final BAR) recommends specific management measures for the recycling of the solar panel systems.

Registered I&AP – Surrounding Landowner

Jacob Bostander

were received on the draft Basic Assessment Report for Droogfontein 4 from an I&AP:

In an email, dated 24 November 2022, the following comments

Good day the above matter bear's reference. I wish to record my comments herein.

- I am farming at my place. I have animals and I also do crop farming. I have genuine fear that the project will impact negatively on the lives of my livestock and crops.
- 2. I also-ran worry that radioactivity will harm myself, my family and other animals in the area.
- 3. We have already complained a regarding excessive noise caused by the existing similar facility.

I therefore suggest that I be relocated by project or be compensated.

Environmamics provided responses to this email, which was specific to the adjacent proposed project named Droogfontein 4 (DFFE Ref.: 14/12/16/3/3/1/2647).

Following the responses provided by Environamics, further comments were received from the surrounding landowner in a letter, which is considered to be relevant to the proposed Droogfontein 5 Basic Assessment process as well.

Your rejoinder of 28th November 2022 is acknowledged. With reference to your responses, I most respectfully take an

The following responses are submitted by Environamics to the comments raised. This is relevant to Droogfontein 5:

1a. It must be noted that Environamics is not responsible for the construction of the solar energy facility, but rather for the undertaking of the Basic Assessment process in order to obtain Environmental Authorisation for the development. As per the findings of the Basic Assessment Report undertaken for the Droogfontein 5 development, Option E has been identified as the most environmentally suitable development area alternative. It is confirmed that this alternative is located ~4.9km north of the property of the surrounding landowner which enable the avoidance of direct impacts to the property owner. It is noted that noise is a concern and noise is expected to occur specifically during the construction phase when equipment is operated. However, the Environmental Management Programme included in the draft Basic Assessment report (Appendix E) provides measures for the management and mitigation of noise impacts to ensure that these are kept within acceptable levels. The EMPr also provides measures that must be implemented to ensure security and safety for surrounding landowners and livestock,

interest in responding as follow:

 I am farming at my place. I have animals and I also do crop farming. I have genuine fear that the project will impact negatively on the lives of my livestock and crops.

Environamics Response:

The concern raised regarding the impact of the proposed development on the current agricultural activities (livestock and crops) is noted. It must be noted that based on the distance between the preferred development area and your property direct impacts are not expected to occur.

1a. Additional I&AP comment:

You made mention that "direct impacts are not expected to occur". This being stated, it remains a concern as the situation or rather intended construction could potentially occur in the near future. The question endures is will Evonomics take full responsibility should such incident present itself in the near future? Bear in mind that it might occur years after the project have been completed. The reality of the matter is that the noise of the units is a constant disturbance from apparatus that doesn't belong to me but to Evonomics. Prior the operation of the units, there was peace and tranquility in my area.

such as security and control at the site entrance, limiting movement of construction workers into adjacent areas etc.

1b. The Background Information Document was distributed at the commencement of the Basic Assessment process and the draft Basic Assessment Report has been distributed to the I&AP for review and comment to enable the I&AP access to the proposed development information, including all infrastructure planned, as well as the information regarding the impacts identified and assessed. The EMPrs for the proposed project, providing the management and mitigation measures for the reduction of negative impacts has also been distributed to the I&AP for review and input. No specific queries on the draft BAR from the I&AP has been received to date. Further consultation will be undertaken with the I&AP during the 30-day review and comment period to ensure additional opportunity.

2a. It must be noted that Environamics is not responsible for the construction or operation of the solar energy facility, but rather for the undertaking of the Basic Assessment process in order to obtain Environmental Authorisation for the development. It is reiterated that the

Environamics response:

The Environmental Management Programme (Appendix E of the draft Basic Assessment Report) provides management measures that will need to be followed by the contractors, which includes measures to avoid impacts to the surrounding areas of the development, including that of security and theft in terms of livestock.

1a. Additional I&AP comment:

The opinion is noted nevertheless, bear in mind that myself and my household including my workforces are not educated in the measures that your team had undertaken, nor have Economics held an educational session for my household prior the process has commenced. As a reiteration of point 1a, the concern lingers to be worrisome.

2. I also-ran worry that that radioactivity will harm myself, my family and other animals in the area.

Environamics Response:

The concern regarding radioactivity is noted. The operation of photovoltaic solar panels to generate electricity using the sun as a resources does not emit radioactivity. The panels rather absorb the energy from the sun and generate electricity which is evacuated into the national grid for use.

operation of photovoltaic solar panels to generate electricity using the sun as a resources does not emit radioactivity. The panels rather absorb the energy from the sun and generate electricity which is evacuated into the national grid for use. The required Health and Safety protocols will be followed by the Developer during the construction and operation phases as per the requirement of the EMPr and the relevant legislation.

3a. The information provided by the I&AP regarding infrasound is noted. Solar projects have not been shown to be significant sources of low frequency sound (20 hertz to 200 Hz) or infrasound (less than 20 Hz). The available onethird octave band sound data for solar panel inverters have shown low levels at the frequencies of concern. International policy in New York was recently revised in terms of its renewable energy permitting rules, and solar projects are no longer required to demonstrate that there are no adverse effects of low frequency (LFN) or infrasound (IF) in project communities. Furthermore, and according to the World Health Organisation (WHO) Electricity from solar panels and transmission to the power grid emits extremely weak electromagnetic fields. Exposure to low-level electromagnetic

2a. Additional I&AP Comment:

The reaction concerning bullet 2 as noted nonetheless, exposure to low-levels of radiation may not cause immediate health effects, but can cause a small increase in the risk of cancer over a lifetime. Adding to bullet 1b, should you select to proceed with your operation, it is my viewpoint that Evonomics should consider to have a medical check for all individuals who reside in the affected area, moreover, a comprehensive health certificate should be issued to all individuals whom have undergone the medical examination.

3. We have already complained a regarding excessive noise caused by the existing similar facility.

Environamics Response:

The concerns regarding noise impact is noted. Noise is expected to primarily be generated during the construction phase when the construction activities are being undertaken, including earthworks. The impact is considered to be temporary and will be insignificant during the operation phase when only operation and maintenance activities will be undertaken as an when needed.

The Environmental Management Programme (Appendix E of the draft Basic Assessment Report) provides management measures that will need to be

fields has been studied extensively, and there is no evidence that it is harmful to human health.

3b. It must be noted that no construction has commenced for the development. The project is still in it's planning phase and the Basic Assessment process is still process to provide I&APs with an opportunity to comment on the proposed development, including surrounding landowners. The draft Basic Assessment Report has been submitted to the I&AP for review and comment as part of a 30-day review period. The report provide specific information on what the development entails and the impacts that are expected to occur. Therefore, the I&AP has been given an opportunity to raise concerns. Further comments raised by the I&AP will be addressed accordingly.

4. The concerns regarding noise impact is noted. Noise is expected to primarily be generated during the construction phase when the construction activities are being undertaken, including earthworks. The impact is considered to be temporary and will be insignificant during the operation phase when only operation and maintenance activities will be undertaken as an when needed.

followed by the contractors, which includes measures to make use of silencers where equipment is noisy and to keep the construction activities limited to the day time. Also, the distance of the preferred area for development from the property in question (Portion 45 of the Farm Roode Pan No. 70) will mitigate the impact to some extent as the development is proposed to take place 4.9km away.

3a. Additional I&AP Comment:

Despite the general understanding that infrasound is inaudible, humans can perceive infrasound, if the level is sufficiently high. Based upon my research, according to the International Standard ISO 2631 in the vertical vibration of the human body, the sensitive range is located in 6 Hz–8 Hz. Frequencies can travel relatively undiminished for hundreds or thousands of kilometers through the atmosphere. You have indicated the impact is considered as temporary. I respectfully disagree with this statement as I can assure you, my sleep gets often disturbed by the noise. Irrespective if it is considered as temporary, I am rather concerned about the effects it might have in the imminent future.

3b. Additional I&AP Comment:

Once more, should Evonomics had conducted a proper introduction to me and my household prior the construction had commenced, we could have a better understanding on how the operation will unfold, the

The Environmental Management Programme (Appendix E of the draft Basic Assessment Report) provides management measures that will need to be followed by the contractors, which includes measures to make use of silencers where equipment is noisy and to keep the construction activities limited to the day time. Also, the distance of the preferred area for development from the property in question (Portion 45 of the Farm Roode Pan No. 70) will mitigate the impact to some extent as the development is proposed to take place 4.9km away.

The request for relocation or compensation is noted and has been submitted to the Applicant for consideration.

Further consultation will be undertaken with the I&AP as part of the 30-day review and comment period of the draft Basic Assessment Report.

disturbance we could expect, the situation might have been better accepted.

I therefore suggest that I be relocated by project or be compensated.

Environamics Response:

This comment is noted and has been communicated to the Applicant/developer. It must be noted that no direct impact is expected to occur based on the location of the development, which is located 4.9km to the north, in relation to the property in question.

4. With due respect, I still stand by my viewpoint of relocation or compensation - Noise is a natural consequence of whatever we do. It forms part of our everyday lives we often just tolerate it. However, noise has the capacity to cause conflict between those who are generating it and those who are victims of it. Noise pollution can be described as unwanted or offensive sounds that unreasonably intrude into people's daily activities. Under most circumstances, intolerable noise will not cause people to complain, but there are circumstances where the volume, extent, or recurrence will cause irritation and frustration.

In the case of Prinsloo v Shaw 1938 AD 570 575 the court stated: "'A resident in a town, and more particularly a resident in a residential neighborhood, is

entitled to the ordinary comfort and convenience of his home, and if owing to the actions of his neighbor he is subjected to annoyance or inconvenience greater than that to which a normal person must be expected to submit in contact with his fellow-men, then he has a legal remedy."

"According to the case of Laskey and Another v Showzone CC and Others (5988/06) [2006] ZAWCHC 50; [2007] 4 All SA 1162 (C) (30 October 2006) there are 2 different kinds of noise, namely, disturbing noise and noise nuisance. A Disturbing Noise is objective and is defined as a scientifically measurable noise level and generally compared to the existing ambient noise level. A Noise Nuisance is a subjective measure and is defined as any noise that disturbs or impairs or may disturb or impair the convenience or peace of any person".

"According to the case of Laskey and Another v Showzone CC and Others (5988/06) [2006] ZAWCHC 50; [2007] 4 All SA 1162 (C) (30 October 2006) there are 2 different kinds of noise, namely, disturbing noise and noise nuisance. A Disturbing Noise is objective and is defined as a scientifically measurable noise level and generally compared to the existing ambient noise level. A Noise Nuisance is a subjective measure and is defined as any noise that disturbs or impairs or may disturb or impair the convenience or peace of any person".

in this framework, I submit this application towards your office to reevaluate the current set of circumstances. I am looking forward to receive accommodating rejoinder at your soonest convenience	