



# mineral resources

Department:  
Mineral Resources  
REPUBLIC OF SOUTH AFRICA

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APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATIONS IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 AND THE NATIONAL ENVIRONMENTAL MANAGEMENT WASTE ACT, 2008 IN RESPECT OF LISTED ACTIVITIES THAT HAVE BEEN TRIGGERED BY APPLICATIONS IN TERMS OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (MPRDA) (AS AMENDED).

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## IMPORTANT NOTICE

### Kindly note that:

1. As from 8 December 2014, this document serves as the application form, and incorporates the requisite documents that are to be submitted together with the application for the necessary environmental authorisations in terms of the said Acts.
2. This application form is applicable while the Mineral and Petroleum Resources Development Amendment Act of 2008 is in effect, as the form may require amendment should the Act be further amended.
3. Applicants are required to apply for the necessary water use licence and any other authorisations or licences to the relevant competent authorities as required by the relevant legislation. Upon acceptance of an application for a right or permit in terms of the MPRDA, applicants will be required to provide evidence to the Regional Manager that a water use licence has been applied for.
4. The Regional Manager will respond to the application and provide the reference and correspondence details of the Competent Authority, and in the event that the application for a right or permit is accepted, together with the date by which the relevant environmental reports must be submitted. Notwithstanding anything that may appear to be stated to the contrary in the acceptance letter, the timeframes are in fact aligned and the prescribed timeframes for the submission of documents as regulated by the NEMA regulations must be strictly adhered to.
5. The application must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
6. The failure to submit complete information as required in this application form may result in the refusal of the application for an environmental authorisation and consequently of the right or permit applied for.
7. This application must be submitted through the SAMRAD online application system of the Department of Mineral Resources under "Other documents to upload".
8. Unless protected by law, all information filled in on this application form will become public information on receipt by the competent authority. Any interested and affected party should and shall be provided with the information contained in this application on request, during any stage of the application process.
9. Please note that an application fee is payable in terms of the National Environmental Management Act and the National Waste Management Act, which fees must be paid upon lodgement of the application. Should the said application fees not be paid as prescribed the application for a right or permit in terms of the Mineral and Petroleum Resources Development Act cannot be considered to have been made in the prescribed manner and the said

application for a right or permit will have to be rejected. In this regard the type of applications must be identified in the table below.

**PLEASE STATE TYPE OF AUTHORISATIONS BEING APPLIED FOR.**

APPLICATION TYPE	APPLICABLE FEE	Mark with an X where applicable
NEMA S&EIR application on its own	R10 000.00	<input type="checkbox"/>
NEMA BAR application on its own	R 2 000.00	<input type="checkbox"/>
NEMWA S&EIR application on its own	R10 000.00	<input type="checkbox"/>
NEMWA BAR application on its own	R 2 000.00	<input type="checkbox"/>
NEMA S&EIR application combined with NEMWA S&EIR application	R 15 000.00	<input checked="" type="checkbox"/>
NEMA BAR application combined with NEMWA BAR application	R 3 000.00	<input type="checkbox"/>
NEMA S&EIR application combined with NEMWA BAR application	R 11 000.00	<input type="checkbox"/>

**1. CONSULTATION BASIC ASSESSMENT AND/ OR SCOPING REPORT**

This is an application for a new Tailings Storage Facility requiring a NEMA S&EIR as part of an Intergarted Environmental Authorisation and Waste Management License Application.

**2. DETAILS OF THE APPLICANT**

Project applicant:	Harmony Gold Mining Company Limited
Registration no (if any):	1982/002818/06
Trading name (if any):	
Responsible Person, (e.g. Director, CEO, etc.):	Free State Region Environmental Manager
Contact person:	John van Wyk
Physical address:	Randfontein Office Park Corner Main Reef Rd and Ward Ave Randfontein Gauteng 1759

Postal address:	P O Box 2 Randfontein Randfontein Gauteng		
Postal code:	1760	Cell:	083 682 4089
Telephone:	018 478 6519	Fax:	
E-mail:	JVWyk@harmony.co.za		

### 3. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP:	John von Mayer		
Professional affiliation/registration:	South African Council Natural and Scientific Professions (SACNASP) (400336/11) Registered EAPASA Environmental Practitioner (2019/1247)		
Contact person (if different from EAP):	<i>Same as EAP</i>		
Company:	Environmental Impact Management Services (Pty) Ltd		
Physical address:	8 Dalmeny Road, Pine Park, Randburg		
Postal address:	P.O Box 2083, Pinegowrie		
Postal code:	2123	Cell:	+27 (0)84 404 3673
Telephone:	+27 (0)11 789 7170	Fax:	+27 (0)86 571 9047
E-mail:	john@eims.co.za		

If an EAP has not been appointed please ensure that an independent EAP is appointed as stipulated by the NEMA Regulations, prior to the commencement of the process.

The declaration of independence and the Curriculum Vitae (indicating the experience with environmental impact assessment and relevant application processes) of the EAP must also be attached as **Appendix 1**.

### 4. PROJECT DESCRIPTION

<b>Farm Name</b>	Mijannie 66 Ptn 0/RE, Goedgedacht 53 Ptn 0, Nooitgedacht 50 Ptn 0, Jacobsdal 37 Ptn 0 and Rheedersdam 31 Ptn 0.
<b>Application Area (Ha)</b>	895 ha
<b>Magisterial District</b>	Lejweleputswa District
<b>Distance and direction from nearest towns</b>	Welkom is located 2,3km east Odendaalsrus is located 4.8 km north

<b>21-digit Surveyor General Code for each Portion</b>	<b>Farm Name:</b>	<b>Portion:</b>	<b>21 Digit Surveyor General Code</b>
	Mijannie 66	O/RE	F03900000000006600000
	Goedgedacht 53	0	F03900000000005300000
	Nooitgedacht 50	0	F03900000000005000000
	Jacobsdal 37	0	F03900000000003700000
	Rheedersdam 31	0	F03900000000003100000
<b>Locality map</b>	Please find Locality attached as Appendix 2.		
<b>Description of the overall activity.</b>  (Indicate Mining Right, Mining Permit, Prospecting right, Bulk Sampling, Production Right, Exploration Right, Reconnaissance permit, Technical co-operation permit, Additional listed activity)	The applicant owns and operates a number of Gold Mines and plants in the Welkom region in the Free State and currently deposits tailings onto the Free State South 2 Tailings Storage Facility (TSF), St. Helena 4 TSF, St. Helena 123 TSF, Dam 23 TSF, Brand D TSF and Target 1&2 TSF. The current planned Life of Mine (LOM) of the Free State operations exceed the available deposition capacity of these TSFs and the applicant is therefore proposing to construct the proposed Nooitgedacht TSF to cater for this additional capacity. The TSF will cover an area of approximately 8.95 km <sup>2</sup> . The proposed TSF will be located on Farm portions Mijannie 66 Ptn O/RE, Goedgedacht 53 Ptn 0, Nooitgedacht 50 Ptn 0, Jacobsdal 37 Ptn 0 and Rheedersdam 31 Ptn 0.		

## 5. ACTIVITIES TO BE AUTHORIZED

(Please provide copies of Environmental Authorisations obtained for the same property as **Appendix 3**).

(For an application for authorisation indicated. Please note that for a project that involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be included. Please note that any authorisation that may result from this application will only cover activities specifically applied for). (Attach a proposed site plan, drawn to a scale acceptable to the competent Authority, showing the location of all the activities to be applied for, as **Appendix 2**)

<b>Name of activity</b>	<b>Aerial extent of the activity</b>	<b>Listed Activity</b>	<b>Applicable listing notice</b>	<b>Waste management authorisation</b>
(E.g. For prospecting, drill site, site camp, ablution facility, accommodation, equipment storage, sample storage, site office, access route etc. etc. etc)	Ha or m:	(Mark with an 'X' where applicable)		(Indicate whether an authorisation is required in

Name of activity	Aerial extent of the activity	Listed Activity	Applicable listing notice	Waste management authorisation
<p>(E.g. for mining: excavations, blasting, stockpiles, discard dumps or dams, loading, hauling and transport, Water supply dams and boreholes, accommodation, offices, ablution, stores, workshops, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors, etc. (etc. etc.))</p>		or (affected)		<p>terms of the Waste Management Act) (Mark with an X)</p>
<p><b>Tailings Storage Facility - Closure</b> The decommissioning of a facility for a waste management activity listed in Category A or B of this Schedule.</p>	895ha	A (14)	GN 921	X
<p><b>Tailings Storage Facility</b> The disposal of any quantity of hazardous waste to land.</p>	895ha	B (7)	GN 921	X
<p><b>Tailings Storage Facility</b> The construction of a facility for a waste management activity listed in Category B of this Schedule (not in isolation to associated waste management activity).</p>	895ha	B (10)	GN 921	X
<p><b>Tailings Storage Facility</b> The establishment or reclamation of a residue stockpile or residue deposit resulting from activities which require a mining right, exploration right or production right in terms of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002).</p>	895ha	B (11)	GN 921	X
<p><b>Pipelines for TSF</b> The development and related operation of infrastructure exceeding 1 000 metres in length for the bulk transportation of sewage, effluent, process water, waste water, return water, industrial discharge or slimes-  (i) with an internal diameter of 0,36 metres or more; or</p>	TBC	Activity 10	GN983	

Name of activity	Aerial extent of the activity	Listed Activity	Applicable listing notice	Waste management authorisation
<p>(ii) with a peak throughput of 120 litres per second or more;</p> <p>excluding where-</p> <p>(a) such infrastructure is for the bulk transportation of sewage, effluent, process water, waste water, return water, industrial discharge or slimes inside a road reserve or railway line reserve; or</p> <p>(b) where such development will occur within an urban area.</p>				
<p><b>Tailings Storage Facility</b></p> <p>The development of-</p> <p>(ii) infrastructure or structures with a physical footprint of 100 square metres or more;</p> <p>where such development occurs-</p> <p>(a) within a watercourse;</p> <p>or</p> <p>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;-</p> <p>excluding-</p> <p>(aa) the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour;</p> <p>(bb) where such development activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;</p>	TBC	Activity 12	GN983	

Name of activity	Aerial extent of the activity	Listed Activity	Applicable listing notice	Waste management authorisation
<p>(cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies;</p> <p>(dd) where such development occurs within an urban area;</p> <p>(ee) where such development occurs within existing roads, road reserves or railway line reserves; or</p> <p>(ff) the development of temporary infrastructure or structures where such infrastructure or structures will be removed within 6 weeks of the commencement of development and where indigenous vegetation will not be cleared.</p>				
<p><b>Tailings Storage Facility – EMPr update</b></p> <p>Any activity including the operation of that activity which requires an amendment or variation to a right or permit in terms of section 102 of the Mineral and Petroleum Resources Development Act, as well as any other applicable activity contained in this Listing Notice or in Listing Notice 3 of 2014, required for such amendment.</p>	895ha	Activity 21D	GN983	
<p><b>Access Roads</b></p> <p>The development of a road-</p> <p>(ii) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres; but excluding a road-</p> <p>(a) which is identified and included in activity 27 in Listing Notice 2 of 2014;</p> <p>(b) where the entire road falls within an urban area; or</p> <p>(c) which is 1 kilometre or shorter.</p>	TBC	Activity 24	GN983	

Name of activity	Aerial extent of the activity	Listed Activity	Applicable Listing notice	Waste management authorisation
<p><b>Tailings Storage Facility - Closure</b></p> <p>The closure of existing facilities, structures or infrastructure for-</p> <p>(i) any development and related operation activity or activities listed in this Notice, Listing Notice 2 of 2014 or Listing Notice 3 of 2014;</p> <p>excluding where-</p> <p>(aa) .....</p> <p>(bb) the closure is covered by part 8 of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) as decommissioning, in which case the National Environmental Management: Waste Act, 2008 applies; or</p> <p>(cc) such closure forms part of a mining application, in which case the requirements of the Financial Provisioning Regulations apply.</p>	895ha	Activity 31	GN983	
<p><b>Tailings Storage Facility and associated infrastructure</b></p> <p>The expansion and related operation of infrastructure for the bulk transportation of sewage, effluent, process water, waste water, return water, industrial discharge or slimes where the existing infrastructure-</p> <p>(i) has an internal diameter of 0,36 metres or more; or</p> <p>(ii) has a peak throughput of 120 litres per second or more; and</p> <p>(a) where the facility or infrastructure is expanded by more than 1 000 metres in length</p> <p>excluding where such expansion-</p> <p>(aa) relates to the bulk transportation of sewage, effluent, process water, waste water, return water,</p>	TBC	Activity 46	GN983	



Name of activity	Aerial extent of the activity	Listed Activity	Applicable listing notice	Waste management authorisation
<p>industrial discharge or slimes within a road reserve or railway line reserve; or</p> <p>(bb) will occur within an urban area.</p>				
<p><b>Tailings Storage Facility and associated infrastructure</b></p> <p>The expansion of-</p> <p>(i) infrastructure or structures where the physical footprint is expanded by 100 square metres or more; or where such expansion occurs-</p> <p>(a) within a watercourse;</p> <p>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;</p> <p>excluding-</p> <p>(aa) the expansion of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour;</p> <p>(bb) where such expansion activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;</p> <p>(cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 23 in Listing Notice 3 of 2014, in which case that activity applies;</p> <p>(dd) where such expansion occurs within an urban area; or</p> <p>(ee) where such expansion occurs within existing roads, road reserves or railway line reserves.</p>	TBC	Activity 48	GN983	
<p><b>Access roads for TSF</b></p>	TBC	Activity 56	GN 983	

Name of activity	Aerial extent of the activity	Listed Activity	Applicable listing notice	Waste management authorisation
<p>The widening of a road by more than 6 metres, or the lengthening of a road by more than 1 kilometre-</p> <p>(i) where the existing reserve is wider than 13,5 meters; or</p> <p>(ii) where no reserve exists, where the existing road is wider than 8 metres;</p> <p>excluding where widening or lengthening occur inside urban areas.</p>				
<p><b>Tailings Storage Facility and associated infrastructure</b></p> <p>The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for-</p> <p>(i) the undertaking of a linear activity; or</p> <p>(ii) maintenance purposes undertaken in accordance with a maintenance management plan.</p>	895ha	Activity 15	GN984	
<p><b>Access roads for TSF</b></p> <p>The development of a road wider than 4 metres with a reserve less than 13,5 metres.</p> <p>b. Free State</p> <p>(cc) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;</p>	TBC	Activity 4	GN985	
<p><b>Tailings Storage Facility and associated infrastructure</b></p> <p>The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance</p>	895ha	Activity 12	GN985	

Name of activity	Aerial extent of the activity	Listed Activity	Applicable listing notice	Waste management authorisation
<p>purposes undertaken in accordance with a maintenance management plan.</p> <p>b. Free State</p> <p>iv. Areas within a watercourse or wetland; or within 100 metres from the edge of a watercourse or wetland</p>				
<p><b>Access Roads for TSF</b></p> <p>The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre.</p> <p>b. Free State</p> <p>(cc) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;</p>	TBC	Activity 18	GN985	
<p><b>Tailings Storage Facility and associated infrastructure</b></p> <p>The expansion of-</p> <p>(ii) infrastructure or structures where the physical footprint is expanded by 10 square metres or more; where such expansion occurs-</p> <p>(a) within a watercourse;</p> <p>(c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse;</p> <p>b. Free State</p> <p>(cc) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority</p>	TBC	Activity 23	GN985	

## 6. PUBLIC PARTICIPATION

(Provide details of the public participation process proposed for the application as required by Regulation.

Details of the Public Participation process to be followed.

#### 6.1.1. IDENTIFICATION OF INTERESTED AND AFFECTED PARTIES TO BE CONSULTED

IDENTIFICATION CRITERIA	Mark with an X where applicable	
	YES	NO
Will the landowner be specifically consulted?	X	
Will the lawful occupier on the property other than the Landowner be consulted?	X	
Will a tribal authority or host community that may be affected be consulted?	X	
Will recipients of land claims in respect of the area be consulted?	X	
Will the landowners or lawful occupiers of neighbouring properties been identified?	X	
Will the local municipality be consulted?	X	
Will the Authority responsible for power lines within 100 metres of the area be consulted?	X	
Will Authorities responsible for public roads or railway lines within 100 metres of the area applied for be consulted?	X	
Will authorities responsible for any other infrastructure within 100 metres of the area applied for be consulted?	X	
Will the Provincial Department responsible for the environment be consulted?	X	
Will all of the parties identified above be provided with a description of the proposed mining /prospecting operation as referred above?	X	
Will all the parties identified above be requested in writing to provide information as to how their interests (whether it be socio-economic, cultural, heritage or environmental) will be affected by the proposed mining project?	X	
Other, Specify		

#### 6.1.2. DETAILS OF THE ENGAGEMENT PROCESS TO BE FOLLOWED

Steps to be taken to notify interested and affected parties (Describe the process to be undertaken to consult interested and affected parties including public meetings and one on one consultations. NB the affected parties must be specifically consulted regardless of whether or not	PROVIDE DESCRIPTION HERE
	Interested and Affected Parties (I&AP's) have been notified of the project via registered letters, emails and facsimiles including distribution of a BID. Site notices and posters have been placed in and around the application area.
	An initial notification period has been undertaken for this project. 10 site notices have been placed in and around the proposed expansion application area; in addition, newspaper advertisements were placed in the newspapers which are widely distributed in the area and advertisements were placed in the provincial Government Gazettes. The public participation process has been, and will continue to be, undertaken in accordance with the NEMA process and the 2014 Regulations. The

<p>they attended public meetings. Photographs of notice boards, and copies of advertisements and notices notifying potentially interested and affected parties of the proposed application must be attached as <b>Appendix 4</b>).</p>	<p>scoping report will be made available for public review and comment for a period of 30 days, within the prescribed timeframes following submission of this Application Form. A further period of 30 days will be provided to I&amp;AP's to comment on the EIA/EMPr during that phase of the application process.</p> <p>The information submitted by I&amp;AP's via any form will be utilised during the Impact Assessment and compilation of the Scoping and EIAR/EMPr.</p>
<p><b>Information to be provided to Interested and Affected Parties.</b></p>	<p><b>Compulsory</b></p> <ul style="list-style-type: none"> <li>• The site plans.</li> <li>• List of activities to be authorised.</li> <li>• Scale and extent of activities to be authorised.</li> <li>• Typical impacts of activities to be authorised.</li> <li>• The duration of the activity.</li> <li>• Sufficient detail of the intended operation to enable them to assess what impact the activities will have on them or on the use of their land.</li> </ul> <p><b>Other, specify:</b></p> <ul style="list-style-type: none"> <li>• The purpose of the proposed project.</li> <li>• Details of the affected properties (including parent farm and portion).</li> <li>• Details of the MPRDA, NEMA and NEMWA Regulations that must be adhered to.</li> <li>• The activities being applied for.</li> <li>• Date by which comment, concerns and objections must be submitted.</li> <li>• Contact details of the Environmental Assessment Practitioner (EAP).</li> </ul>
<p><b>Information to be required from Interested and Affected Parties.</b></p>	<p><b>Compulsory</b></p> <ul style="list-style-type: none"> <li>• To provide information on how they consider that the proposed activities will impact on them or their socio-economic conditions.</li> <li>• To provide written responses stating their suggestions to mitigate the anticipated impacts of each activity.</li> <li>• To provide information on current land uses and their location within the area under consideration.</li> <li>• To provide information on the location of environmental features on site to make proposals as to how, and to what standard, the impacts on site can be remedied.</li> <li>• To mitigate the potential impacts on their socio-economic conditions to make proposals as to how the potential impacts can be managed, avoided or remedied.</li> </ul>

	<p><b>Other, Specify:</b></p> <ul style="list-style-type: none"> <li>• Details of the landowner and information on lawful occupiers.</li> <li>• Details of any communities existing within the area.</li> <li>• Details of any Tribal Authorities within the area.</li> <li>• Details of any other I&amp;AP's that need to be notified.</li> <li>• Details on any land developments proposed.</li> <li>• Details of any perceived impacts to the environment that should be considered in the Scoping and EIAR.</li> <li>• Any specific comments, concerns or objections to the proposed mining expansion project.</li> </ul>
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**7. DESCRIPTION OF THE ASSESSMENT PROCESS TO BE UNDERTAKEN**

ITEM	DESCRIPTION
<p><b>Environmental attributes.</b> Describe how the Environmental attributes associated with the development footprint will be determined.</p>	<p>For Scoping, the description of the existing status of the current receiving environment will be compiled through desktop data, available GIS information as well as from recent monitoring reports and available information from the existing mine. This will be updated in the EIA phase once detailed specialist investigations have been completed.</p>

<p><b>Identification of impacts and risks. (Describe the process that will be used to identify impacts and risks.</b></p>	<p>The identification of potential impacts and risks for assessment will be undertaken through I&amp;AP consultation and the development of an in depth understanding of the activities, actions and processes to be undertaken on site based on the EAP's experience with similar projects as well as input from specialists. As such, the potential impacts and risks on broad environmental aspects, in respect of each of the main project actions, activities and processes will be assessed during the Scoping and EIA process.</p> <p>The impact assessment methodology to be used is guided by the requirements of the NEMA EIA Regulations. The broad approach to the significance rating methodology is to determine the environmental risk (ER) by considering the consequence (C) of each impact (comprising Nature, Extent, Duration, Magnitude, and Reversibility) and relate this to the probability/likelihood (P) of the impact occurring. This determines the environmental risk. In addition, other factors, including cumulative impacts, public concern, and potential for irreplaceable loss of resources, are used to determine a prioritisation factor (PF) which is applied to the ER to determine the overall significance (S).</p>
<p><b>Consideration of alternatives. Describe how alternatives, and in particular the alternatives to the proposed site layout and possible alternative methods or technology to be applied will be determined.</b></p>	<p>The identification and assessment of alternatives is a key component to the success of any EIA process. Essentially, alternatives represent different means of meeting the general purpose and need of the proposed project through the identification of the most appropriate method of development. Two levels of alternative screening will be investigated and considered which culminate into the identification of the feasible development alternative. The first level alternatives include land use, location, mining method, etc. These alternatives will determine the optimal placement and process for the proposed mining operation. After these viable alternatives have been assessed (if any), the level two alternatives; including technology, phasing and site layout alternatives will be considered in order to ensure the best practicable option is proposed for the activity.</p> <p>Several alternative sites were identified and assessed as part of a 2008 study completed by Golder Environmental. As part of the 2008 Golder Study various specialist input was obtained from ecological, surface water and groundwater specialists. During a Steering Committee meeting involving various stakeholders including DWS that was convened on the 25 October 2007 the site selection findings were discussed and an optimal site selected. Nooitgedacht was agreed upon as the preferred site for the TSF (as agreed by the Steering Committee). The reasons for this is that the proposed footprint is largely brownfields with a partial greenfields take. The resultant negative impacts on agriculture and ecosystems are considered to be</p>

	negligible but outweighed by the positive attributes of the site. As such, no further location alternatives are considered in this assessment. The previous 2008 site selection study is considered suitable motivation for the current Nooitgedacht site.											
<p><b>Process to assess and rank impacts. Describe the process to be undertaken to identify, assess and rank the impacts and risks each individual activity.</b></p>	<p><u>Method of Assessing Impacts:</u></p> <p>The impact assessment methodology is guided by the requirements of the NEMA EIA Regulations. The broad approach to the significance rating methodology is to determine the <u>environmental risk (ER)</u> by considering the <u>consequence (C)</u> of each impact (comprising Nature, Extent, Duration, Magnitude, and Reversibility) and relate this to the <u>probability/likelihood (P)</u> of the impact occurring. This determines the environmental risk. In addition, other factors, including cumulative impacts, public concern, and potential for irreplaceable loss of resources, are used to determine a <u>prioritisation factor (PF)</u> which is applied to the ER to determine the overall <u>significance (S)</u>.</p> <p><u>Determination of Environmental Risk:</u></p> <p>The significance (S) of an impact is determined by applying a prioritisation factor (PF) to the environmental risk (ER).</p> <p>The environmental risk is dependent on the consequence (C) of the particular impact and the probability (P) of the impact occurring. Consequence is determined through the consideration of the Nature (N), Extent (E), Duration (D), Magnitude (M), and reversibility (R) applicable to the specific impact.</p> <p>For the purpose of this methodology the consequence of the impact is represented by:</p> $C = \frac{(E+D+M+R)}{4} \times N$ <p>Each individual aspect in the determination of the consequence is represented by a rating scale as defined in Table 1.</p> <p><b>TABLE 1: CRITERIA FOR DETERMINING IMPACT CONSEQUENCE</b></p> <table border="1" data-bbox="518 1693 1406 1964"> <thead> <tr> <th>Aspect</th> <th>Score</th> <th>Definition</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Nature</td> <td>- 1</td> <td>Likely to result in a negative/ detrimental impact</td> </tr> <tr> <td>+1</td> <td>Likely to result in a positive/ beneficial impact</td> </tr> <tr> <td>Extent</td> <td>1</td> <td>Activity (i.e. limited to the area applicable to the specific activity)</td> </tr> </tbody> </table>	Aspect	Score	Definition	Nature	- 1	Likely to result in a negative/ detrimental impact	+1	Likely to result in a positive/ beneficial impact	Extent	1	Activity (i.e. limited to the area applicable to the specific activity)
Aspect	Score	Definition										
Nature	- 1	Likely to result in a negative/ detrimental impact										
	+1	Likely to result in a positive/ beneficial impact										
Extent	1	Activity (i.e. limited to the area applicable to the specific activity)										



		2	Site (i.e. within the development property boundary),
		3	Local (i.e. the area within 5 km of the site),
		4	Regional (i.e. extends between 5 and 50 km from the site)
		5	Provincial / National (i.e. extends beyond 50 km from the site)
	Duration	1	Immediate (<1 year)
		2	Short term (1-5 years),
		3	Medium term (6-15 years),
		4	Long term (the impact will cease after the operational life span of the project),
		5	Permanent (no mitigation measure of natural process will reduce the impact after construction).
	Magnitude/ Intensity	1	Minor (where the impact affects the environment in such a way that natural, cultural and social functions and processes are not affected),
		2	Low (where the impact affects the environment in such a way that natural, cultural and social functions and processes are slightly affected),
		3	Moderate (where the affected environment is altered but natural, cultural and social functions and processes continue albeit in a modified way),
		4	High (where natural, cultural or social functions or processes are altered to the extent that it will temporarily cease), or
		5	Very high / don't know (where natural, cultural or social functions or processes are altered to the extent that it will permanently cease).
	Reversibility	1	Impact is reversible without any time and cost.
		2	Impact is reversible without incurring significant time and cost.
		3	Impact is reversible only by incurring significant time and cost.
		4	Impact is reversible only by incurring prohibitively high time and cost.
		5	Irreversible Impact

Once the C has been determined the ER is determined in accordance with the standard risk assessment relationship by multiplying the C and the P (refer to). Probability is rated/scored as per Table 2.

**Table 2: Probability Scoring**

Probability	1	Improbable (the possibility of the impact materialising is very low as a result of design, historic experience, or implementation of adequate corrective actions; <25%),
	2	Low probability (there is a possibility that the impact will occur; >25% and <50%),
	3	Medium probability (the impact may occur; >50% and <75%),
	4	High probability (it is most likely that the impact will occur- > 75% probability), or
	5	Definite (the impact will occur),

The result is a qualitative representation of relative ER associated with the impact. ER is therefore calculated as follows:

$$ER= C \times P$$

**Table 3: Determination of Environmental Risk**

Consequence	5	5	10	15	20	25
	4	4	8	12	16	20
	3	3	6	9	12	15
	2	2	4	6	8	10
	1	1	2	3	4	5
		1	2	3	4	5
Probability						

The outcome of the environmental risk assessment will result in a range of scores, ranging from 1 through to 25. These ER scores are then grouped into respective classes as described in Table 4.

**Table 4: Significance Classes**

Environmental Risk Score	
Value	Description
<9	Low (i.e. where this impact is unlikely to be a significant environmental risk),
≥9; <17	Medium (i.e. where the impact could have a significant environmental risk),
≥ 17	High (i.e. where the impact will have a significant environmental risk).

The impact ER will be determined for each impact without relevant management and mitigation measures (pre-mitigation), as well as post implementation of relevant management and mitigation measures (post-mitigation). This allows for a prediction in the degree to which the impact can be managed/mitigated.

Impact Prioritisation:

Further to the assessment criteria presented above it is necessary to assess each potentially significant impact in terms of:

- Cumulative impacts; and
- The degree to which the impact may cause irreplaceable loss of resources.

In addition, it is important that the public opinion and sentiment regarding the development and consequent potential impacts is considered in the decision-making process. In an effort to ensure that these factors are considered, an impact prioritisation factor (PF) will be applied to each impact ER (post-mitigation). This prioritisation factor does not aim to detract from the risk ratings but rather to focus the attention of the decision-making authority on the higher priority/significance issues and impacts. The PF will be applied to the ER score based on the assumption that relevant suggested management/mitigation measures are implemented.

**Table 5: Criteria for Determining Prioritisation**

Public response (PR)	Low (1)	Issue not raised in public response.
	Medium (2)	Issue has received a meaningful and justifiable public response.
	High (3)	Issue has received an intense meaningful and justifiable public response.
	Low (1)	Considering the potential incremental, interactive, sequential, and synergistic

Cumulative Impact (CI)		cumulative impacts, it is unlikely that the impact will result in spatial and temporal cumulative change.
	Medium (2)	Considering the potential incremental, interactive, sequential, and synergistic cumulative impacts, it is probable that the impact will result in spatial and temporal cumulative change.
	High (3)	Considering the potential incremental, interactive, sequential, and synergistic cumulative impacts, it is highly probable/definite that the impact will result in spatial and temporal cumulative change.
Irreplaceable loss of resources (LR)	Low (1)	Where the impact is unlikely to result in irreplaceable loss of resources.
	Medium (2)	Where the impact may result in the irreplaceable loss (cannot be replaced or substituted) of resources but the value (services and/or functions) of these resources is limited.
	High (3)	Where the impact may result in the irreplaceable loss of resources of high value (services and/or functions).

The value for the final impact priority is represented as a single consolidated priority, determined as the sum of each individual criteria represented in **Table 5**. The impact priority is therefore determined as follows:

$$\text{Priority} = \text{PR} + \text{CI} + \text{LR}$$

The result is a priority score which ranges from 3 to 9 and a consequent PF ranging from 1 to 2 (Refer to Table 6).

**Table 6: Determination of Prioritisation Factor**

Priority	Ranking	Prioritisation Factor
3	Low	1
4	Medium	1.17
5	Medium	1.33
6	Medium	1.5
7	Medium	1.67
8	Medium	1.83
9	High	2

	<p>In order to determine the final impact significance, the PF is multiplied by the ER of the post mitigation scoring. The ultimate aim of the PF is to be able to increase the post mitigation environmental risk rating by a full ranking class, if all the priority attributes are high (i.e. if an impact comes out with a medium environmental risk after the conventional impact rating, but there is significant cumulative impact potential, significant public response, and significant potential for irreplaceable loss of resources, then the net result would be to upscale the impact to a high significance).</p> <p><b>Table 7: Final Environmental Significance Rating</b></p> <table border="1"> <thead> <tr> <th colspan="2">Environmental Significance Rating</th> </tr> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>≤ -17</td> <td>High negative (i.e. where the impact must have an influence on the decision process to develop in the area).</td> </tr> <tr> <td>&gt; -17 ≤ -9</td> <td>Medium negative (i.e. where the impact could influence the decision to develop in the area).</td> </tr> <tr> <td>&gt; -9</td> <td>Low negative (i.e. where this impact would not have a direct influence on the decision to develop in the area).</td> </tr> <tr> <td>0</td> <td>No impact</td> </tr> <tr> <td>&lt;9</td> <td>Low positive (i.e. where this impact would not have a direct influence on the decision to develop in the area).</td> </tr> <tr> <td>≥ 9 &lt; 17</td> <td>Medium positive (i.e. where the impact could influence the decision to develop in the area).</td> </tr> <tr> <td>≥ 17</td> <td>High positive (i.e. where the impact must have an influence on the decision process to develop in the area).</td> </tr> </tbody> </table>	Environmental Significance Rating		Value	Description	≤ -17	High negative (i.e. where the impact must have an influence on the decision process to develop in the area).	> -17 ≤ -9	Medium negative (i.e. where the impact could influence the decision to develop in the area).	> -9	Low negative (i.e. where this impact would not have a direct influence on the decision to develop in the area).	0	No impact	<9	Low positive (i.e. where this impact would not have a direct influence on the decision to develop in the area).	≥ 9 < 17	Medium positive (i.e. where the impact could influence the decision to develop in the area).	≥ 17	High positive (i.e. where the impact must have an influence on the decision process to develop in the area).
Environmental Significance Rating																			
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≥ 17	High positive (i.e. where the impact must have an influence on the decision process to develop in the area).																		
<p><b>Contribution of specialist reports</b> Describe how specialist reports, if required, will be taken into consideration and inform the impact identification, assessment and remediation process.</p>	<p>Several EIA-phase specialist studies will be undertaken to address the key issues. The specialist studies involve the gathering of data relevant to identifying and assessing environmental impacts that may occur as a result of the proposed project. These impacts were then assessed according to pre-defined rating scales. Specialists also recommend appropriate mitigation / control or optimisation measures to minimise potential negative impacts or enhance potential benefits, respectively. The following specialist studies are being conducted:</p> <ul style="list-style-type: none"> <li>• Air Quality Impact Assessment;</li> <li>• Terrestrial Ecology Impact Assessment;</li> <li>• Aquatic and Wetlands Assessment;</li> </ul>																		

	<ul style="list-style-type: none"> <li>• Soils Assessment;</li> <li>• Geohydrology (groundwater) Impact Assessment;</li> <li>• Heritage and Palaeontology Impact Assessment;</li> <li>• Hydrological Assessment;</li> <li>• Social Assessment;</li> <li>• Health and radiological assessment;</li> <li>• Agricultural Potential &amp; Soils Impact Assessment; and</li> <li>• Visual Impact Assessment.</li> </ul> <p>All specialists are required to adhere to the the EAPs method of assessing impacts, as detailed above. The specialist studies will inform the EIA phase assessment (EIAR/EMPR) with input into the sensitivity mapping. The specialists will also be required to comply with the DFFE specialist study protocols.</p> <p>It is crucial to note that the Sensitivity Mapping is to be used as a first level mechanism to provide guidance (where viable) regarding design and layout and identify operational alternatives for further assessment. In addition, the mapping exercise allows the identification of certain spatial characteristics which may not be compatible or desirable for the purpose of infrastructure placement as well as (where possible) circumnavigating potential fatal flaws.</p>
<p><b>Determination of impact management objectives and outcomes.</b> Describe how impact management objectives will be determined for each activity to address the potential impact at source, and how the impact management outcomes will be aligned with standards.</p>	<p>The objectives of the impact management measures shall be to firstly anticipate and avoid risks and impacts. This shall be accomplished through the adoption of a risk and impact assessment process which aims to identify all relevant environmental and social risks and receptors that are likely to be affected by such risks and impacts, including the issues identified by I&amp;AP's during the consultation process. The impact and risk identification process shall take into consideration each activity and its associated potential impacts. The impact management objectives will be incorporated into and EMPR. The EMPR developed for the project shall include mechanisms whereby social and environmental risk and impacts shall be avoided and mitigated. The objectives of this environmental management framework shall be:</p> <ul style="list-style-type: none"> <li>• To anticipate potential risks and impacts associated with each activity pre-emptively through the implementation of risk assessment techniques and early warning systems such as environmental monitoring and inspections;</li> <li>• To develop and implement preventative measures to ensure known risks and impacts are addressed at source wherever possible (e.g. spill prevention procedures);</li> <li>• To implement detailed management measures to ensure that where avoidance of impacts is not possible, mitigation measures are in place to</li> </ul>

	<p>minimize impacts to workers, affected landowners/occupiers/communities, and the environment; and</p> <ul style="list-style-type: none"> <li>To provide a framework for adaptive environmental management within the EMPR whereby impacts from unplanned events or incidents caused by the project may be effectively controlled to minimise impacts to workers, affected landowners/occupiers/communities, and the environment.</li> </ul> <p>The management and mitigation measures shall be developed in accordance with applicable standards and guidelines, which may include, but is not limited to:</p> <ul style="list-style-type: none"> <li>Legislated Standards (e.g.: air quality guidelines and standards);</li> <li>South African National Standards (SANS) (e.g.: SANS water quality standards);</li> <li>Where Applicable, International Standards and Guidelines;</li> <li>Applicable National and Regional Frameworks (e.g.: Bioregional Plans; Spatial Development Frameworks, National Protected Area Expansion Strategy Focus Areas, Environmental Management Frameworks, etc.);</li> <li>Applicable Guidelines developed by authorities (e.g.: DMRE guidelines, NEMA EIA guidelines); and</li> <li>Other Applicable guidelines (e.g.: Mining and Biodiversity Guidelines).</li> </ul> <p>To ensure that the impact management outcomes can be monitored, and performance evaluated, performance targets and indicators shall be developed where appropriate. Compliance and alignment with the prescribed standards shall be measures against the defined Performance Targets and Indicators through the implementation of a system of inspections and compliance monitoring as defined in the EMPR.</p>
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## 8. OTHER AUTHORIZATION REQUIRED

LEGISLATION	Mark with an X where applicable			
	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
	YES	NO	YES	NO
<b>SEMA's</b>				
National Environmental Management: Air Quality Act		X		X
National Environmental Management: Biodiversity Act		X		X
National Environmental Management: Integrated Coastal Management Act		X		X
National Environmental Management: Protected Areas Act		X		X
National Environmental Management: Waste Act	X		X	
<b>National legislation</b>				
Mineral and Petroleum Resources Development Act	X			X
National Water Act	X			X

National Heritage Resources Act	X			X
Others: Please specify		X		X

Please provide proof of submission of applications in Appendix 5<sup>1</sup>.

In the event that an authorization in terms of the National Environmental Waste Management Act is required for any of the activities applied for please state so clearly in order for such an authorisation to be considered as part of this application.

Please take note that the applicability of the following Acts listed below will be confirmed during the EIA Phase of the project:

- National Environmental Management: Biodiversity Act (particularly relating to permit applications for the removal/relocation of potential protected species identified on site); and
- National Heritage Resources Act (particularly relating to potential heritage features and archaeological finds).

Should it be found that any listed activities within these Acts will be triggered; the necessary permit and license application process will be followed at a reasonable time in accordance with the regulations. As far as possible, the intended outcome of the EIA and EMPR is to prevent the impacts relating to the above-mentioned legislation.

## 9. DRAFT EMPR

For consultation purposes, provide a high-level approach to the management of the potential environmental impacts of each of the activities applied for.

ACTIVITIES	PHASE	SIZE AND SCALE <sup>2</sup> (of Disturbance)	TYPICAL MITIGATION MEASURES	COMPLIANCE WITH STANDARDS
(E.g. For prospecting - drill site, site camp, ablution facility, accommodation, equipment storage, sample storage, site office, access route etc...etc...etc E.g. for mining - excavations, blasting, stockpiles, discard dumps or dams, Loading, hauling and transport, Water supply dams and boreholes, accommodation, offices, ablution, stores, workshops, processing plant, storm water control, berms, roads,	(of operation in which activity will take place). State; Planning and design, Pre-Construction' Construction, Operational, Rehabilitation, Closure, Post closure.	(volumes, tonnages and hectares or m <sup>2</sup> )	(Eg, storm water control, dust control, noise control, access control, rehabilitation etc..., etc...,)	(A description of how each of the recommendations herein will comply with any prescribed environmental management standards or practices that have been identified by Competent Authorities)

<sup>1</sup> All applications are captured by this application. Applications to DWS to be completed once final EIA report is ready for submission.

<sup>2</sup> The size and scale of disturbance is a rough estimated at this stage. More accurate estimates will be provided during the EIA phase.



(pipelines, power lines, conveyors, etc. etc. etc.)				
Excavations / Civil Works	Construction / operation	895ha	Rehabilitation, avoidance of high sensitivity areas, dust and noise control	The typical mitigation measures recommended will comply with all prescribed environmental management standards and practices.
Tailings facility	Operation	895ha	Dust control, avoidance of sensitive areas, height control, contamination control measures, erosion control.	
Roads and Pipelines and other associated infrastructure	Operation	Size to be confirmed in EIA	Avoidance of sensitive areas	

## 10. CLOSURE PLAN

In the space provided under each heading below, please provide a high-level description of the plan for closure and the information that will be provided in the draft EMPR accompanying the draft basic assessment report or environmental impact reports going forward.

<p><b>Baseline environment</b></p> <p>Describe how the baseline environment will be determined with the input of interested and affected parties and due cognizance of the current land uses and or existing biophysical environment</p>	<p>The baseline environment will be assessed in two phases namely:</p> <ul style="list-style-type: none"> <li>Phase 1: Scoping &amp; Sensitivity Mapping; and</li> <li>Phase 2: Environmental Impact Assessment (EIA) and Integrated Environmental Management Programme (IEMPR)</li> </ul> <p><b>Phase 1: Scoping:</b></p> <p>This will require a detailed desktop investigation by the EAP to familiarise themselves with the proposed application area and broadly determine the existing status quo of the receiving environment.</p> <p>The Scoping Report will conform to the requirements of the previously mentioned Acts and include the following:</p> <ul style="list-style-type: none"> <li>A description of the receiving environment;</li> <li>Identification and description of anticipated impacts;</li> <li>Identify and describe reasonable land use or development alternatives;</li> <li>A description of the process used to engage I&amp;AP's and other Stakeholders;</li> </ul>
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	<ul style="list-style-type: none"> <li>• A high-level impact assessment with the inclusion of preliminary mitigation measures; and</li> <li>• A description of further investigations required in the EIA (Plan of Study).</li> </ul> <p>Review of the report by I&amp;AP's and submission of the report to the authorities will conclude Phase 1.</p> <p><b>Phase 2: Integrated Environmental Impact Assessment (IEIA) and Environmental Management Programme (EMPR):</b></p> <p>During the EIA phase of the project, a more detailed investigation will be undertaken for the likely disturbance footprint. On completion of the EIA level assessments, the EAP will begin compilation of the EMPR. The IEIA and EMPR will include the following information:</p> <ul style="list-style-type: none"> <li>• A detailed description of the receiving environment;</li> <li>• A description of the Public Participation Process methodology;</li> <li>• A record of the findings of the Public Participation Process;</li> <li>• An Environmental Impact Assessment (EIA) during all project phases;</li> <li>• An Environmental Management Programme (EMPR) during all project phases;</li> <li>• Closure and Rehabilitation Plans;</li> <li>• Calculation of the Financial Provisions;</li> <li>• A detailed description of the need and desirability of the proposed activity including advantages and disadvantages that the activity will have to the environment and community;</li> <li>• A description of the methodology used in determining significance of identified impacts;</li> <li>• A description and comparative assessment of all alternatives identified;</li> <li>• A summary of the findings and recommendations of any Specialist Studies;</li> <li>• A description of all identified impacts and an assessment of the significance of each impact before and after implementation of proposed mitigation measures;</li> <li>• A description of assumptions, uncertainties and gaps in knowledge;</li> <li>• A recommendation as to whether the activity should be authorised and under what conditions;</li> <li>• An Environmental Impact Statement including key findings;</li> <li>• A draft Environmental Management Plan; and</li> <li>• Copies of any and all specialist studies carried out.</li> </ul> <p>Each identified impact will be assessed for significance by investigating and ranking the nature, duration, extent, magnitude and probability of each impact. In addition to this the reversibility and the potential for irreplaceable loss of resources will also be assessed. In accordance with the requirements of the EIA regulations a Draft Environmental Management Programme (EMPr) will also be prepared.</p>
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	<p>Following submission of the IEIA, Specialist Studies and Draft EMPR to the registered I&amp;APs for review and comment, the final submission will be made to the DMRE.</p> <p><b>Public Participation Process:</b></p> <p>The Public Participation Process (PPP) will be robust and continue to engage interested and affected parties (IAPs) throughout all phases of the project. As a result of the public notifications, a register will be opened and maintained which will record all contact details of persons whom have submitted written comments or responded to the notification and who have requested that they be registered as IAPs. All registered IAPs will be informed of the required process of involvement as defined by the EIA regulations. All objections and representations received from IAPs will be collected and considered in this application. Responses will be prepared and distributed to those IAPs who submitted comments and/or objections. These comments /objections and responses will be recorded in an Comments and Responses Report (CRR) for inclusion into the Scoping Report and EIA Report respectively. In addition, the registered IAPs will be given an opportunity to comment on all reports prepared to be submitted to the DMRE.</p>
<p><b>Closure objectives</b></p> <p>Describe the closure objectives and the extent to which they will be aligned to the baseline environment</p>	<p>The EMPR shall include a closure and rehabilitation plan. The plan shall outline the closure objectives which are aimed at reinstating the landform, land use and vegetation units to an agreed land use or similar.</p> <p>Rehabilitate the land which was impacted by the activity and the related infrastructure to meet the closure objectives;</p> <ul style="list-style-type: none"> <li>• Remove all infrastructure built in relation to the mining operations which will not be used by the landowners or a third party. Should it happen that the third party may want to use the infrastructure, appropriate arrangements should be made to ensure long term sustainable use of the infrastructure;</li> <li>• Follow a process of closure that is progressive and integrated into the short and longterm plans;</li> <li>• Assess the closure impacts proactively at regular intervals throughout project life;</li> <li>• Implement progressive rehabilitation measures, beginning during the construction phase wherever possible;</li> <li>• Monitor and manage water on site to minimise soil, surface/groundwater contamination;</li> <li>• Comply with national closure and rehabilitation regulatory requirements;</li> <li>• Form active partnerships with local communities to take management of the land after the project has ceased, where possible; and</li> </ul>

	<ul style="list-style-type: none"> <li>• Maintain and monitor all rehabilitated areas following re-vegetation. If monitoring shows that the objectives have been met, an application for closure can be made.</li> </ul>
<p><b>Rehabilitation Plan</b></p> <p>Describe the scale and aerial extent of the prospecting or mining listed activities to be authorised, including the anticipated prospecting or mining area at the time of closure, and confirm that a site rehabilitation plan drawn to a suitable scale will be provided in the draft EMPR to be submitted together with the draft EIR or Basic Assessment Report as the case may be.</p>	<p>A rehabilitation plan will be drawn to a suitable scale and provided in the EIAR.</p>
<p><b>Rehabilitation Cost</b></p> <p>Describe how the rehabilitation cost will be determined and provide a preliminary estimate thereof</p>	<p>The rehabilitation cost will be calculated in detail with input from the various specialists assigned to the project and will be subject to annual review. Furthermore, the rehabilitation cost will also be based on implementation of the management measures to be included in the EMPR and revised accordingly for inclusion into the EIA. Rehabilitation costs will be calculated according to the DMRE rates.</p>
<p><b>Decommissioning</b></p> <p>Considering that rehabilitation must take place upon cessation of an activity, describe when each of activities applied for will be rehabilitated in terms of either the cessation of the individual</p>	<p>Decommissioning and closure will be described in detail in the EMPR.</p>

activity or the cessation of the overall prospecting/exploration or mining/production activity.	
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Signed by: JOHN VAN WYK  
Signed at: 2023-06-08 07:56:00 +02:00  
Reason: Witnessing JOHN VAN WYK

*JOHN VAN WYK*

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Signature of the applicant / Signature on behalf of the applicant:

**Harmony Gold Mining Company Limited**

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Name of company (if applicable):

08/06/23

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Date:

**APPENDIX 1A**  
**DECLARATION OF THE EAP**

I, John von Mayer, declare that –

General declaration:

- I act as the independent environmental practitioner in this application
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will take into account, to the extent possible, the matters listed in regulation 8 of the Regulations when preparing the application and any report relating to the application;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not
- all the particulars furnished by me in this form are true and correct;
- will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and

- I realise that a false declaration is an offence in terms of regulation 71 of the Regulations and is punishable in terms of section 24F of the Act.

**Disclosure of Vested Interest (delete whichever is not applicable)**

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;
- ~~• I have a vested interest in the proposed activity proceeding, such vested interest being:~~

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Signature of the environmental assessment practitioner:

**Environmental Impact Management Services (Pty) Ltd**

Name of company:

8 June 2023

Date:



**Appendix 1B - CV**

## CURRICULUM VITAE

<b>Name:</b>	<b>John Paul von Mayer</b>
<b>Nationality:</b>	South African
<b>Date of Birth:</b>	24 September 1984
<b>Profession:</b>	Environmental Scientist
<b>Professional Qualification/ Training:</b>	BSc Honours Environmental Science; University of the Witwatersrand, 2007
	BSc Environmental Science; University of the Witwatersrand, 2006
	Certificate in Environmental Law, Rhodes University, 2011
<b>Professional Membership/ Registrations:</b>	Registered Professional Natural Scientist (SACNSP- #400336/11) EAPASA Registered Environmental Assessment Practitioner (2019/1247)
<b>Current Employer:</b>	Environmental Impact Management Services (Pty) Ltd.

## KEY EXPERIENCE

Mr John von Mayer is a senior consultant at EIMS and has been involved in numerous significant projects the past 10 years. He has experience in Project Management, small to large scale Environmental Impact Assessments, Environmental Auditing, Water Use Licensing, and Public Participation. He is a Registered Professional Natural Scientist (400336/11) with the South African Council Natural and Scientific Professions (SACNASP) as well as a registered EAPASA Environmental Practitioner (2019/1247) His key experience includes:

- Experience with identification and assessment of environmental impacts.
- Experience in environmental compliance and monitoring.
- Knowledge of environmental legislation and policies, planning process and regulatory frameworks.
- Knowledge and experience of public participation process.
- Strong competencies in the assessment of renewable energy.
- Project management.

## CAREER SUMMARY

<b>Period: November 2016 - Present:</b>	<b>Organisation: EIMS</b>	<b>Position: Senior Environmental Assessment Practitioner</b>
<b>Key Projects/Assignments</b>	<u>Senior EAP:</u> Responsible for managing various projects. Main responsibilities include: <ul style="list-style-type: none"> <li>● Compilation of EIA reports</li> </ul>	



	<ul style="list-style-type: none"> <li>• Environmental audits and compliance reporting</li> <li>• Compilation of Environmental Management Plans</li> </ul> <p>Currently involved in a number of ongoing projects, EIAs, etc.</p> <p>Selected Project Experience:</p> <ul style="list-style-type: none"> <li>• Update of Environmental Management Plans for three of Harmony's Freestate Gold Mining Operations.</li> <li>• Eloff Phase 3 Coal Mine EIA.</li> <li>• Vlakvarkfontein Coal Mine Extension EIA and WULA.</li> <li>• Droogvallei Coal Mine Water Use Licence Application.</li> <li>• Elandsfontein mine extension EIA and WULA near Delmas Mpumalanga Province.</li> <li>• Proxa Eastern Basin Treatment Plant Audit.</li> <li>• Environmental Compliance Audits for various Eskom power stations.</li> <li>• Updates to Manungu Mine Rehabilitation Strategy and Implementation Plan</li> <li>• Environmental Compliance Audit for the Amakhala Emoyeni Wind Farm.</li> <li>• Environmental Compliance Audit for various coal mines including Canyon Coal's Hokhana Coal Mine.</li> <li>• EA application for Searcher 3D Seismic Survey Reconnaissance project off the West Coast of South Africa.</li> <li>• Various permitting and licensing applications</li> </ul>
<p><b>Period: June 2008 – June 2012 and October 2014 – November 2016</b></p>	<p><b>Organisation:</b> Savannah Environmental      <b>Position:</b> Senior Environmental Assessment Practitioner</p>
<p><b>Key Projects/Assignments</b></p>	<p>Project Manager and Environmental Assessment Practitioner for the following:</p> <ul style="list-style-type: none"> <li>• Environmental Impact Assessment for the Hopefield Wind Energy Facility, Western Cape Province</li> <li>• Environmental Impact Assessment for a Wind Energy Facility near Cookhouse, Eastern Cape Province</li> <li>• Basic Assessment for Cookhouse II Wind Energy Facility expansion project, Eastern Cape Province</li> <li>• Provision of Environmental Consulting Services for the Implementation and Compliance Monitoring of the Cookhouse Wind Energy Facility</li> <li>• Environmental Post Construction Audits for Wind Monitoring Masts near Cookhouse and Oyster Bay</li> <li>• Environmental Impact Assessments for the Amakhala Emoyeni Wind Energy Facilities near Bedford, Eastern Cape Province</li> </ul>



	<ul style="list-style-type: none"> <li>• Environmental Impact Assessments and Environmental Management Plans for Wind Energy Facilities near Indwe and Sterkstroom, Eastern Cape Province</li> <li>• Environmental Impact Assessment and Management Plan for Happy Valley Wind Energy Facility near Humansdorp, Eastern Cape Province</li> <li>• Environmental Impact Assessment and Management Plan for Deep River Wind Energy Facility near Humansdorp, Eastern Cape Province</li> <li>• Environmental Impact Assessment and Management Plan for 200km of Eskom Transmission Lines in Limpopo Province: Mokopane Integration Project</li> <li>• Environmental Impact Assessment and Management Plan for Tsitsikamma Community Wind Energy Facility in the Eastern Cape Province</li> <li>• Integrated Environmental Impact Assessment and Management Plan for Tshivhaso Coal Fired power Plant near Lephhalale</li> <li>• Environmental Audits and Compliance Monitoring for Eskom Duvha Mine Water Recovery Project (client: Eskom)</li> <li>• Completed Regional Siting Assessments for proposed Wind Energy Facilities on the West Coast (client: Investec)</li> <li>• Numerous Basic Assessments including: Qoboshane Road and Access Bridge Project, Various 132kV power line projects throughout the country, Wastewater treatment facility for Harmony's Doornkop Mine, Camco PV project at Thaba Eco Lodge.</li> <li>• Legal Review and Licenses Audit for Eskom Generation, Duvha Power Station.</li> <li>• Legal Review and License Audit for Eskom Generation, Hendrina Power Station.</li> <li>• External WUL and NEMA Performance Assessment for the Hakhano Colliery in Middelburg.</li> <li>• Annual Environmental Compliance, Equator Principles, IFC Performance Standards and World Bank EHS Guidelines Auditing for the construction of the 138MW Amakhala Emoyeni Project 1 Wind Energy Facility near Bedford, Eastern Cape Province.</li> </ul>
<p>June 2012 – October 2014: Senior Environmental Scientist;</p>	<p><b>Organisation: Mills and Otten</b>      <b>Position: Environmental Scientist</b></p>
<p><b>Key Projects/Assignments</b></p>	<p>Environmental Scientist at Mills and Otten. Worked on the following projects:</p> <ul style="list-style-type: none"> <li>• Phase 1 and Phase 2 contamination assessments for BP, BP RM, Engen and Total SA at various filling stations and fuel installations throughout the country.</li> <li>• Remediation monitoring and Remediation Action Plans for various filling stations in Johannesburg for BP RM and Total SA.</li> <li>• Various Waste and Water Use License Applications</li> </ul>



## LANGUAGE CAPABILITY

Language	Speak	Read	Write
English	Excellent	Excellent	Excellent
Afrikaans	Average	Good	Average

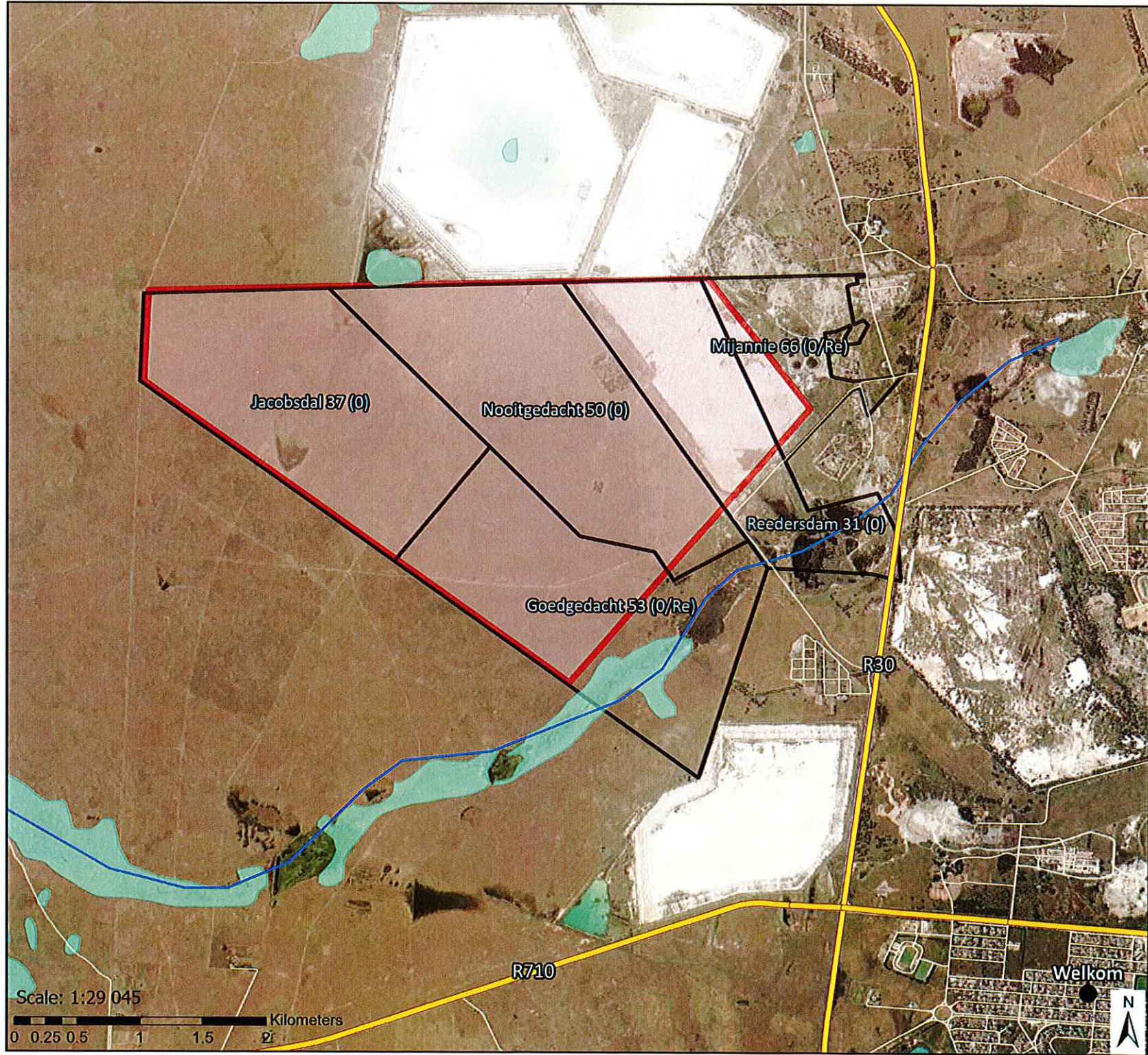
## DECLARATION

I confirm that the above information contained in the CV is an accurate description of my experience and qualifications and that, at the time of signature.

\_\_\_\_\_  
Signature of Staff Member

08/07/2021  
\_\_\_\_\_  
Date

**Appendix 2 - Map**

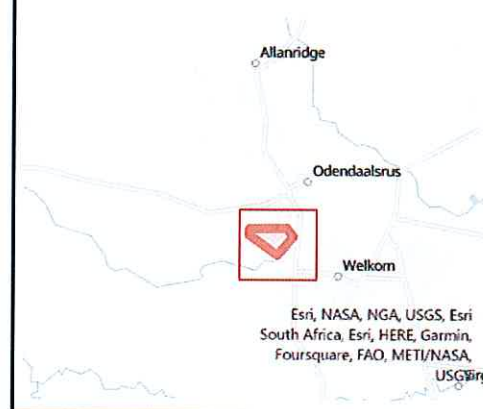


### Locality Map

1565 Harmony Nooitgedacht TSF EIA WUL

### Legend

- Proposed Tailings Storage Facility
- Local Town
- Local Roads
- Rivers
- Wetlands (National Wetland Map)
- Affected Farm Portions
- Regional Roads



Data Sources:  
 CSG; ESRI  
 Coord System: GCS WGS 1984  
 Datum: WGS 1984  
 Units: Degree  
 Ref: 1565\_Locality Map

Date: 2023/03/28  
 EIMS Ref: 1565  
 Compiled: CM  
 Reviewed: JP  
 Approved: LW



**Appendix 3 – Copies of approvals – NOT APPLICABLE**



## **Appendix 4 – Public Participation Information**

Contact Person: Lucien James  
EIMS Reference Number: 1565  
Postal Address: P.O. Box 2083; Pinegowrie; 2123  
Telephone: (011) 789 7170/ Fax: (086) 571 9047  
E-mail: [nooitgedacht@eims.co.za](mailto:nooitgedacht@eims.co.za)

Please include the project reference number 1565 in all correspondence.

Please feel free to contact the undersigned if you have any queries or concerns.

Kind Regards,

Lucien James

2023/04/04  
Our ref: 1565/jp

To whom it may concern  
Dear Sir or Madam:

**NOTIFICATION REGARDING OPPORTUNITY TO PARTICIPATE IN THE ENVIRONMENTAL APPLICATION PROCESSES FOR THE PROPOSED HARMONY NOOITGEDACHT TAILINGS STORAGE FACILITY PROJECT, IN MATJHABENG LOCAL MUNICIPALITY, FREE STATE, SOUTH AFRICA.**

Harmony Gold Mining Company Limited (hereafter referred to as the applicant) has appointed Environmental Impact Management Services (Pty) Ltd (EIMS) as the Environmental Assessment Practitioner (EAP) to undertake the necessary environmental authorisation and associated consultation processes. EIMS will compile and submit the required documentation in support of applications for:

- Integrated Environmental Authorisation (EA) and Waste Management License (WML) in accordance with the National Environmental Management Act – NEMA (Act 107 of 1998)- Listed activity: Listing Notice 2, Activity 15 as well as the National Environmental Management: Waste Act – NEMWA (Act 59 of 2008)- Activity B11; and
- Water Use Licence (WUL) in accordance with the National Water Act – NWA (Act 36 of 1998). Water uses: Section 21 (c), Section 21 (f) and Section 21 (g).

The exact activities to be applied for will be confirmed during the process. Additional activities may be identified during the process. A full Scoping and Environmental Impact Assessment application process will be followed.

The applicant owns and operates a number of Gold Mines and plants in the Welkom region in the Free State and currently deposits tailings onto the Free State South 2 Tailings Storage Facility (TSF), St. Helena 4 TSF, St. Helena 123 TSF, Dam 23 TSF, Brand D TSF and Target 1&2 TSF. The current planned Life of Mine (LOM) of the Free State operations exceed the available deposition capacity of these TSFs and the applicant is therefore proposing to construct the proposed Nooitgedacht TSF to cater for this additional capacity. The TSF will cover an area of approximately 8.95 km<sup>2</sup>. The proposed TSF will be located on Farm portions Mijannie 66 Ptn 0/RE, Goedgedacht 53 Ptn 0, Nooitgedacht 50 Ptn 0, Jacobsdal 37 Ptn 0 and Rheedersdam 31 Ptn 0.

EIMS will be following the procedures defined in the Environmental Impact Assessment (EIA) Regulations (GRN982 of 2014, as amended) and in the Water Use Licence Application and Appeals Regulations, 2017 (GNR 267 of 24 March 2017) for undertaking a Scoping and Environmental Impact Assessment (EIA) and WULA process. In accordance with Chapter 6 of the EIA Regulations Section 41 of the NWA, a public participation process will be undertaken. You are hereby invited to register and comment on the proposed project and application/s. In order to ensure that you are identified and registered as an I&AP and that your comments are captured, please submit your name, contact details, the reason for your interest or any, in writing or telephonically, to EIMS no later than **10 May 2023**. Please note that only registered I&AP's will be informed of future project information and opportunities for participation.

By registering as an interested and affected party you consent to the collection and processing of your personal information as per the EIMS Privacy Notice available at [www.eims.co.za/public-participation](http://www.eims.co.za/public-participation). In order to avoid missing out on opportunities for public participation please submit I&AP registrations, or any queries, comments, or concerns with regards to this application, as soon as possible to EIMS at:

A 8 Dalmeny Road, Pine Park, Randburg | PO Box 2083, Pinegowrie 2123, South Africa  
T (011) 789-7170 | F (086) 571-9047

A Regus Business Centre, 14 Stewart Drive, Barea, East London  
T (043) 783-9826 | F (086) 571-9047

W [www.eims.co.za](http://www.eims.co.za) | E [eims@eims.co.za](mailto:eims@eims.co.za) | Co Reg 1992/05592/071 VAT 489 013 9027

Directors: L. Whitlow, A. Smith.

vir publieke deelname misgeploeg word, dien asseblief B&GP-registrasies, of enige navrae, kommentaar of bekommernisse met betrekking tot hierdie aansoek, so gou moontlik in by EIMS by:

Kontakpersoon: Lucien James  
EIMS Verwysingsnommer: 1565  
Posadres: Posbus 2083, Pinegowrie; 2123  
Telefoon: (011) 789 7170/ Faks: (086) 571 9047  
E-pos: [noonitgedacht@eims.co.za](mailto:noonitgedacht@eims.co.za)

Sluit asseblief die projekverwysingsnommer 1565 by alle korrespondensie in.

Vriendelike groete,

Lucien James

2023/04/04  
Ons ref: 1565/jp

Vir wie dit mag aangaan  
Geagte Meneer of Mevrrou:

**KENNISGEWING MET BETREKKING TOT GELEENTHEID OM AAN DIE OMGEWINGSAANSOEKPROSESSE TE NEEM TE NEEM VIR DIE VOORGESTELDE HARMONY NOOITGEDACHT TAILINGS STORINGSFASILITEITSPROEJ, IN MATJHABENG PLAASLIKE MUNISIPALITEIT, VRYSTAAT, SUID-AFRIKA.**

Harmony Gold Mining Company Limited (hierna na verwys as die aansoeker) het Environmental Impact Management Services (Edms) Bpk (EIMS) as die Omgewingsevalueringpraktisyn (EAP) aangestel om die nodige omgewingsmagtiging en gepaardgaande konsultasieprosesse te onderneem. EIMS sal die vereiste dokumentasie saamstel en indien ter ondersteuning van aansoek vir:

- Geïntegreerde Omgewingsmagtiging (EA) en Afvalbestuurslisenis (WML) in ooreenstemming met die Nasionale Omgewingsbestuurswet – NEMA (Wet 107 van 1998). Gelyste aktiwiteit: Noteringskenningsgewing 2, Aktiwiteit 15 asook die Nasionale Omgewingsbestuur: Afvalwet – NEMWA (Wet 59 van 2008)- Aktiwiteit 61.1; en
- Watergebruiklisenis (WUL) in ooreenstemming met die Nasionale Waterwet – NWA (Wet 36 van 1998). Watergebruik: Artikel 21 (c), Artikel 21 (i) en Artikel 21 (g).

Die presiese aktiwiteite waarvoor aansoek gedoen moet word, sal tydens die proses bevestig word. Bykomende aktiwiteite kan tydens die proses geïdentifiseer word. 'n Volledige Omvang- en Omgewingsimpakstudie aansoekproses sal gevolg word.

Die applikant besit en bedryf 'n aantal Goudmyne en aanlegte in die Welkom-streek in die Vrystaat en deponeer tans uitstoot op die Vrystaat Suid 2 Uitskoot Stoorfasiliteit (TSF), St. Helena 4 TSF, St. Helena 123 TSF, Dam 23 TSF, Brand D TSF en Target 1&2 TSF. Die huidige beplande Life of Mine (LOM) van die Vrystaatse bedrywighede oorskry die beskikbare afsattingskapasiteit van hierdie TSF's en die aansoeker stel dus voor om die voorgestelde Noonitgedacht TSF te bou om vir hierdie bykomende kapasiteit voorsiening te maak. Die TSF sal 'n gebied van ongeveer 8,95 km<sup>2</sup> dek.

Die voorgestelde TSF sal geleë wees op Plaasgedeeltes Mijannie 66 Ptn 0/RE, Goedgedacht 53 Ptn 0, Noonitgedacht 50 Ptn 0, Jacobsdal 37 Ptn 0 en Rheedersdam 31 Ptn 0.

EIMS sal die prosedures volg soos omskryf in die Omgewingsimpakbepaling (OIB) Regulasies (GRN982 van 2014, soos gewysig) en in die Watergebruiklisenis Aansoek (WULA) en Appèlregulasies, 2017 (GNR 267 van 24 Maart 2017) vir die onderneem van Omvang- en Omgewingsimpakstudie en WULA prosess. In ooreenstemming met Hoofstuk 6 van die OIB-regulasies en Artikel 41 van die NWA, sal 'n openbare deelnameproses onderneem word. U word hiermee uitgenooi om te registreer en kommentaar te lewer op die voorgestelde projek en aansoek/s. Om te verseker dat jy geïdentifiseer en registreer word as 'n B&GP en dat jou kommentaar vasgelê word, dien asseblief jou naam, kontakbesonderhede, die rede vir jou belangstelling of enige kommentaar, skriftelik of telefones, by EIMS in teen nie later nie as die **10 Mei 2023**. Neem asseblief kennis dat slegs geregistreerde B&GPe ingelig sal word oor toekomstige projekinligting en geleentheid vir deelname.

Deur as 'n B&GP te registreer, stem jy in tot die versameling en verwerking van jou persoonlike inligting soos per die EIMS Privaatheidskennisgewing beskikbaar by [www.eims.co.za/public-participation](http://www.eims.co.za/public-participation). Om te verhoed dat geleentheid

ke menyetyia ya go tsaya karolo ga setshaba ka kopo, romella boikwadiso ba I&AP, kapa dipotso, maikutlo, kapa matchwenyego mabapi le kopo ena, kapele kamoo go ka kgonagalang go EIMS go:

Motho yo go ka Buisanwang le ene ke: Lucien James

Nomoro ya Tshupiso ya EIMS: 1565

Aterese ya Poso: P.O. Box 2083; Pinegowrie; 2123

Mogala: (011) 789 7170/ Fekse: (086) 571 9047

Emelile: [nootgedacht@eims.co.za](mailto:nootgedacht@eims.co.za)

Ka kopo bontsha nomoro ya boitshupo ya projeke e leng **1565** makwalong othe.

Ka kopo ikutlwe o lokologile ho ikopanya le ya saenneng ka tlase mona gaeba o na le dipotso kapa dingongorego.

Ditumediso tse Futhumetseng.

Lucien James

2023/04/04

Nomoro ya rona ya tshupiso: 1565/jp

Go yo amegang

Rre kgotsa Mime o a Rategang:

**KITSISO MABAPI LE TSHONO YA GO TSAYA KAROLO KOPONG YA MESEBETSI YA TSA TIKOLOGO BAKENG SA PROJEKE E SISINTSWENG YA POLOKELO YA LIKWERE-KGWERE YA HARMONY NOOTGEDACHT, MMASEPALENG WA LEGAE WA MATJHABENG, FOREISTATA, AFRIKA BORWA.**

Harmony Gold Mining Company Limited (e ka morago fano eleng motsenya kopo) e kgethiile Environmental Impact Management Services (Pty) Ltd (EIMS) e le Setsebi sa Tekolo ya Tikologo (EAP) ho etsa tumelelo e tihokagalang ya tikologo le ditirelo tse amaganang le yone. EIMS e tia kgobokanya le go fana ka ditokumente tse di tihokagalang go tshgetsatsa dikopo bakeng sa:

- Tumello e Kopantsweng ya Tikoloho (EA) le Laesense ya Tsamaiso ya Ditshila (WML) tumellanong le Molao wa Naga wa Tsamaiso ya Tikologo - NEMA (Molao 107 wa 1998) - Ketsagalo e tthatlhamisitsweng: Tsebisiso ya Lethathamo ya 2, mosebetsi wa 15 mmogo le Taolo ya Naga ya Tikologo: Molao wa Ditshila - NEMWA (Molao 59 wa 2008) - Ketsagalo ya B11; le
- License ya Tiriso ya Metsi (WU) tumellanong le Molao wa Naga wa Metsi - NWA (Molao wa 36 wa 1998). Mesebetsi ya metsi: Karolo ya 21 (c), Karolo ya 21 (f) le Karolo ya 21 (g).

Mesebetsi e sebilweng e tia etswa e tia nteratswa nakong ya tshebetso. Mesebetsi e meng e eketsagileng e tia bonagala sentle nakong ya mesebetsi. Go tia latelwa tshebetso e felletseng ya kopo ya Tshebetso ya Tekolo le Tlahlhobo ya Phello ya Tikologo.

Mokopi o na le, o bile o sebetse ka Merafo ya Kgaufa e mmaliwa le ditsi tsa tshebetso tikologong ya Welkom e Forisetata mme hajwale o qhalla dikgwere-kgwere dibakeng tsa pokello ya dikgwere-kgwere tsa Free State South 2(TSF), St. Helena 4 TSF, St. Helena 123 TSF, Dam. 23 TSF, Brand D TSF le Target 1&2 TSF. Morero o osetseng o editsewe bojanong o lekanyetsang hore naa Moraro o tia Sebetsa Nako e Kae (LOM) tshebetso ya Foreistata o feta bokgoni bo teng ba di-TSF tse na ba go kgobokanya dikgwere-kgwere, kamoo mokopi o tsisinyo ya Foreistata o feta bokgoni bo teng ba di-tlatsetso go tsawala sekgo sena. . TSF e tia akaretsa sebaka se ka nngang 8.95 km<sup>2</sup>. TSF e sisintsweng e tia fithelwa dikarolong tsa polasi Mijannie 66 Ptn 0/RE, Goegedacht 53 Ptn 0, Nootgedacht 50 Ptn 0, Jacobsdal 37 Ptn 0 le Rheedersdam 31 Ptn 0.

EIMS e tia be e latela ditsamaiso tse tshilositsweng go Melawana ya Tekolo ya Phello ya Tikologo (EIA) (GRN982 ya 2014, jaloka ha e fetotswe) le Melao ya Kopo ya Laesense ya Tshebetso ya Metsi le Melao ya Boipileto, 2017 (GNR 267 yala 24 Hlakubele 2017) bakeng sa go etsa Tlahlhobo ya Motheo le tshebetso ea WULA. Tumellanong le Kgaolo ya 6 ya Melawana ya EIA le Karolo ya 41 ya NWA, mokgwa wa go kenya letsogo ga setshaba o tia etswa. O memiwa go ikwadisa le go fana ka maikutlo mabapi le projeke e sisintsweng le kopo/dikopo. E le ho etsa bonnete ba gore o itsebagaditse mme o kwadisitse o le I&AP le gore maikutlo a gao a bolokilwe, ka kopo romela leina la gago, boitsebisiso ba go ikgolaganya le wena, lobaka la kgathigo ya gago kapa maikutlo afe kapa afe, ka lengolo kapa ka mogala, go EIMS pele go la **10 Motsheganong 2023**. Ka kopo tihlokomela gore ke batho ba I&APs ba ikwadisitseng feela ba tia tsebiswa ka ditaba tsa projeke nakong e tlang le menyetyia ya go tsaya karolo.

Ka go ikwadisa jalo ka mokgwa o nang le kgathigo le o amegang, o dumela go kgobokanya le go dirisiwa ga dintlha tsa gago go latela Tsebisiso ya sephiri ya EIMS e fithelwang go [www.eims.co.za/public-participation](http://www.eims.co.za/public-participation) Gore o seke wa fetwa

F +27 86 571 9047  
E [Lucien@eims.co.za](mailto:Lucien@eims.co.za)  
W [www.eims.co.za](http://www.eims.co.za)

PO Box 2083, Pinegowrie, 2123,  
ZA

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**Lucien James**

**From:** 1565 Harmony Nootgedacht TSF EIA WUL <nootgedacht@eims.co.za>

**Sent:** Wednesday, 05 April 2023 13:01

**Subject:** Notification regarding opportunity to participate in the Environmental Application process for the proposed Harmony Nootgedacht Tailings Storage Facility project  
1565\_Initial Notification letter\_.pdf; 1565 Locality Map.pdf; 1565 BID.pdf

**Attachments:**

**Bcc:**

fsnbg@sanbi.org.za; conservation@birdlife.org.za; advocacy@birdlife.org.za;  
melissa.whitecross@birdlife.org.za; m.mokonoto@sanbi.org.za;  
mbatha.npz@sacr.fs.gov.za; ZIBUMAZIBUKOMWELASE@MSN.COM;  
obstacles@caa.co.za; dumat@nra.co.za; t.malla@sanbi.org.za; sngcatsha@sahra.org.za;  
nhiggitt@sahra.org.za; Zanele.manyathi@transnet.net; mm@lejwe.co.za;  
khaya@lejwe.co.za; info@lejwelda.org.za; hodofficemanager@daff.gov.za;  
moeng@fs.agric.za; hod@fscogta.gov.za; siphofscogta.gov.za;  
motsamai.mokoena@fscogta.gov.za; hodoffice@fsworks.gov.za;  
thekisor@freetrans.gov.za; lifetok@freetrans.gov.za; cro@freetrans.gov.za;  
mkhosanag@dmre.gov.za; wecare@fdc.co.za; info@fdc.co.za;  
azwihangwisi.mulaudzi@dmre.gov.za; mamokete.mpatane@dmre.gov.za;  
enquiries.fs@dmre.gov.za; Minisif@dws.gov.za; doreens@dairld.gov.za;  
Hunandi.Ndema@dairld.gov.za; LDItshego@environment.gov.za;  
Lwisa@environment.gov.za; MPhasha@environment.gov.za;  
EIAAdmin@environment.gov.za; jnalej@dwf.gov.za; groblerw@dws.gov.za;  
PhenyaM@dot.gov.za; mandlal@cogta.gov.za; jacobm@cogta.gov.za;  
charles.hlebel@nersa.org.za; tkakalani@sedibengwater.co.za;  
msibeko@sedibengwater.co.za; amassyn@sedibengwater.co.za;  
john.geeringh@eskom.co.za; MotsisL@eskom.co.za; landclaims@dairld.gov.za;  
david.mngcolwani@dairld.gov.za; doreen.sithole@dairld.gov.za;  
masoetsad@destea.gov.za; moalosi@destea.gov.za; info@phakisa.co.za;  
ofgoldfields@gmail.com; jackjohanvanstaden@gmail.com; sechod@fshhealth.gov.za;  
rugbybond@internext.co.za; info@arfirearms.co.za; silvera@gmail.com;  
info@workingforclimate.co.za; tshidi.lenong@matjhabeng.co.za;  
modise.mahlatsane@matjhabeng.co.za; John Von Mayer; Lucien James; Brian Whitfield

Dear Interested and Affected Party,

Please see the attached notification regarding opportunity to participate in the Environmental Application process for the proposed Harmony Nootgedacht Tailings Storage Facility project located in the Matjhabeng Local Municipality, Free State, South Africa. Should you have any comments and/or queries, please feel free to contact EIMS.

KIND REGARDS  
LUCIEN JAMES



T +27 11 789 7170  
M +27 69 955 3087

8 Dalmeny Road, Pine Park,  
Randburg, 2194

Phonenumber	Network	Status	ScheduledDate	SubmittedDate	StatusDate	ScntData	Value1	Value2	Value3	Value4
27603158463	MTN	DELIVRD	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:28:57 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nooitgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.	Sefako Johannes	Mazibuko		
27613241017	CELL C	DELIVRD	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:28:55 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nooitgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.	Johanna Martina Georgina	Fouche		
27664792067	Vodacom	DELIVRD	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:28:55 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nooitgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.	Ntando	Mbatha	Free State Provincial Heritage Resources Authority	Heritage coordinator

! D	From	Subject	Received	Size
Sunday	Mail Delivery S...	Delivery Status Notification (Failure)	Sun 2023/04/09 1... 20 KB	20 KB
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	Message not delivered			
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27716135688	Vodacom	EXPIRED	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 8:04:39 PM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nooitgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.	Grace	Mkhosana	Free State Department of Economic, Small Business	Director: Environmental Affairs
27718647410	MTN	DELIVRD	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:28:59 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nooitgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.	Werner	van Rensburg	Matjhabeng Local Municipality	Ward councillor (ward 34)
27721961473	Vodacom	EXPIRED	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 8:04:39 PM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nooitgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.	Doreen	Sithole	National Department Of Agriculture, Land Reform An	Land Use and Soil Management
27726625639	Vodacom	EXPIRED	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 8:04:39 PM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact			Western Holdings Primary School	

						Lucien James; 0117897170; nooitgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.				
27727102993	Vodacom	EXPIRED	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 8:04:39 PM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nooitgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.	Moliehi	Moeng	Free State Department of Agriculture & Rural Develo	Director
27727127186	Vodacom	DELIVRD	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:29:00 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nooitgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.	Christa	Klink	Free State Department of Agriculture & Rural Develo	Head of Department
27732605173	MTN	DELIVRD	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:28:55 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nooitgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.	Moliehi	Moeng	Free State Department of Agriculture & Rural Develo	Director

27738603698	MTN	DELIVR D	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:29:00 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nooitgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.	Igor	Scheurkogel	Matjhabeng Local Municipality	Ward councillor (ward 35)
27761598861	Vodacom	DELIVR D	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:28:55 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nooitgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.	Boipelo Pride	Lekubo	Armgold/Harmony Freegold Joint Venture co Pty Ltd	
27768261520	Vodacom	DELIVR D	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 5:43:28 PM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nooitgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.			Working for Climate	
27814382191	Telkom Mobile	DELIVR D	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:28:56 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact	Robinson	Thekiso	Free State Department of Police, Roads and Transpo	Deputy Director General: Transport Infrastructure

						Lucien James; 0117897170; nooitgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.				
27814778511	Telkom Mobile	DELIVR D	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:28:56 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nooitgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.			Marl Self Catering Guest house (Flamingo Pan Welk	
27814911626	Telkom Mobile	DELIVR D	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:28:55 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nooitgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.	Palesa	Kaota	Lejweleputswa District Municipality	Municipal Manager
27824851576	Vodacom	DELIVR D	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:28:55 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nooitgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.	Alberto	Myburgh	Free State Department of Police, Roads and Transpo	Acting Director: Monitoring & Evaluation



27824858543	MTN	DELIVR D	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:28:56 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nootgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.			Welkom Airport FAWM	
27825712345	Vodacom	DELIVR D	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:28:55 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nootgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.	Johan Diederich	De Klerk	St Helena Boerdery (Pty) Ltd	
27827732202	Vodacom	DELIVR D	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:28:55 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nootgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.	Coreen	Matherbe	Matjhabeng Local Municipality	Ward councillor (ward 33)
27829362323	CELL C	DELIVR D	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:28:55 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact	Rene	Steyn	Matjhabeng Local Municipality	Ward councillor (ward 32)

						Lucien James; 0117897170; nootgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.				
27833783585	MTN	DELIVR D	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:28:55 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nootgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.			Fidelity Security Services - Welkom	
27836468280	MTN	DELIVR D	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:28:54 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nootgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.	Charles	Hlebela	National Energy Regulator of South Africa (NERSA)	Head of Communications
27844043673	MTN	DELIVR D	4/6/2023 10:29:00 AM	4/6/2023 10:28:53 AM	4/6/2023 10:29:00 AM	Notification: Proposed development of Nootgedacht Tailings Storage Facility approx. 9km North-West of Welkom. Harmony has appointed EIMS to undertake the Environmental Authorisation processes. If you are interested/affected, please contact Lucien James; 0117897170; nootgedacht@eims.co.za. Visit <a href="https://www.eims.co.za/public-participation/">https://www.eims.co.za/public-participation/</a> for more info.				

**NOTIFICATION REGARDING OPPORTUNITY TO PARTICIPATE IN THE ENVIRONMENTAL APPLICATION PROCESSES FOR THE PROPOSED HARMONY NOOITGEDACHT TAILINGS STORAGE FACILITY PROJECT, IN MATHIABENG LOCAL MUNICIPALITY, FREE STATE, SOUTH AFRICA.**

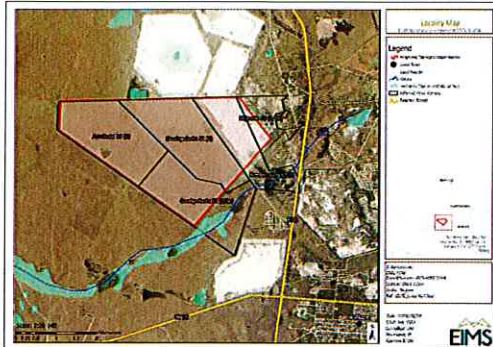
Harmony Gold Mining Company Limited (hereafter referred to as the applicant) has appointed Environmental Impact Management Services (Pty) Ltd (EIMS) as the Environmental Assessment Practitioner (EAP) to undertake the necessary environmental authorisation and associated consultation processes. EIMS will compile and submit the required documentation in support of applications for:

- Integrated Environmental Authorisation (IEA) and Waste Management License (WML) in accordance with the National Environmental Management Act – NEMA (Act 107 of 1998), Listed activity: Listing Notice 2, Activity 15 as well as the National Environmental Management Waste Act – NEMWA (Act 59 of 2008) – Activity B1; and
- Water Use License (WUL) in accordance with the National Water Act – NWA (Act 36 of 1998), Water uses: Section 21 (c), Section 21 (d) and Section 21 (g).

The exact activities to be applied for will be confirmed during the process. Additional activities may be identified during the process. A full Scoping and Environmental Impact Assessment application process will be followed.

The applicant owns and operates a number of Gold Mines and plants in the Welkom region in the Free State and currently deposits tailings onto the Free State South Tailings Storage Facility (TSF), St. Helena 4 TSF, St. Helena 123 TSF, Dam 23 TSF, Brand D TSF and Target 1&2 TSF. The current planned Life of Mine (LOM) of the Free State operations exceed the available deposition capacity of these TSFs and the applicant is therefore proposing to construct the proposed Nooitgedacht TSF to cater for this additional capacity. The TSF will cover an area of approximately 8.95 km<sup>2</sup>. The proposed TSF will be located on Farm portions Mijanne 66 Pin 0/RE, Goedgedacht 53 Pin 0, Nooitgedacht 50 Pin 0, Jacobsdal 37 Pin 0 and Rheedersdam 31 Pin 0 (See Map).

As a potential interested and affected party, you are invited to register and comment on the project. In order to ensure that you are identified and registered as an Interested and Affected Party and that your comments are captured, please submit your name, contact details, the reason for your interest or any comments, in writing or telephonically, to EIMS. Please note that only registered I&AP's will be directly informed of future project information and opportunities for participation. In order to avoid missing out on opportunities for public participation please submit I&AP registrations, or any queries, comments, or concerns with regards to this application, as soon as possible to EIMS.



**KENNISGEWING MET BETREKING TOT GELEENTHEID OM AAN DIE OMGEWINGSAANSOEKPROSESSE TE NEEM TE NEEM VIR DIE VOORGESTELDE HARMONY NOOITGEDACHT TAILINGS STORINGSFASILITEITSPROEJ, IN MATHIABENG PLAASLIKE MUNISIPALITEIT, VRYSTAAT, SUID-AFRIKA.**

Harmony Gold Mining Company Limited (hierna na verwys as die aansoeker) het Environmental Impact Management Services (Edms) Boks (EIMS) as die Omgewingsbeheersingspraktisy (EAP) aangestel om die nodige omgewingsmagtiging en gepaardgaande konsultasieprosesse te onderneem. EIMS sal die vereiste dokumentasie saamstel en indien te ondersteuning van aansoekers vir:

- Geïntegreerde Omgewingsmagtiging (EA) in Afrika bestuursliensie (WUL) in ooreenstemming met die Nasionale Omgewingsbestuurswet – NEMA (Wet 107 van 1998), Gelyste aktiwiteit: Noteringkennisgewing 2, Aktiwiteit 15 asook die Nasionale Omgewingsbestuur: Afvalwet – NEMWA (Wet 59 van 2008) – Aktiwiteit B1; en
- Watergebruiksliensie (WUL) in ooreenstemming met die Nasionale Waterwet – NWA (Wet 36 van 1998), Watergebruik: Artikel 21 (c), Artikel 21 (d) en Artikel 21 (g)

Die presiese aktiwiteite waarvoor aansoek gedoen moet word, sal tydens die proses bevestig word. Bykomende aktiwiteite kan tydens die proses geïdentifiseer word. In Volledige Omgewings- en Omgewingsimpakstudie aansoekproses sal gevoeg word.

Die applikant best en bedryf 'n aantal Goudmyne en aanlegte in die Welkom-streek in die Vrystaat en deponeer tans sluisot op die Vrystaat Suid 2 Uitkots Stoofasfalteit (TSF), St. Helena 4 TSF, St. Helena 123 TSF, Dam 23 TSF, Brand D TSF en Target 1&2 TSF. Die huidige beplande Life of Mine (LOM) van die Vrystaatse bedrywigedde oorskry die beskikbare afsettingskapasiteit van hierdie TSF's en die aansoeker stel dus voor om die voorgestelde Nooitgedacht TSF te bou om vir hierdie bykomende kapasiteit voorsiening te maak. Die TSF sal 'n gebied van ongeveer 8,95 km<sup>2</sup> dek.

Die voorgestelde TSF sal geleë wees op Plaasgedeeltes Mijanne 66 Pin 0/RE, Goedgedacht 53 Pin 0, Nooitgedacht 50 Pin 0, Jacobsdal 37 Pin 0 en Rheedersdam 31 Pin 0 (Sien kaart).

As 'n potensiële belanghebbende en geïnteresseerde party word u uitgenooi om te registreer en kommentaar te lewer op die projek. Om te verseker dat jy geïdentifiseer en geregistreer word as 'n Belangstellers en Geïnteresseerde Party en dat jou kommentaar vasgeleë word, dien asseblief jou naam, kontakbesonderhede, die rede vir jou belangstelling of enige kommentaar, skriftelik of telefonies, by EIMS in. Neem asseblief kennis dat slegs geregistreerde I&AP's direk ingelig sal word oor toekomstige projekinligting en geleentheid vir deelname. Om te verhoed dat geleentheid vir publieke deelname misgehoop word, dien asseblief B&GP registrasies, of enige navraag, kommentaar of bekommernisse met betrekking tot hierdie aansoek, so gou moontlik by EIMS in.

**TSEBISO MABALI LE MONYELA WA HO NKA KAROLO KOPONG YA MESEBETSI YA TIKOLOHO BAKENG SA PROEJKE E SINSISWENG YA POKOLOKO YA UKGWERE KWERE YA HARMONY NOOITGEDACHT, MMASEPALENG WA LEHAH WA MATHIABENG, FORESTATA, AFRIKA BORWA.**

Harmony Gold Mining Company Limited (yeo ka mor'a mona e bitswang mokopi) e kgethile Environmental Impact Management Services (Pty) Ltd (EIMS) e le Setsetsi ya Tiko'lo ya Tiko'loho (EAP) ho etsa tumelle e hlokalang ya tiko'loho le ditshetsoa tse amanang le yona. EIMS e tla bokelle le ho fana ka dikomare tse hlokalang ho tshetsoa o kopo bakeng sa:

- Tumelle e kopontsweng ya Tiko'loho (EA) le Laense ya Tsama so ya Ditshila (WUL) tumellanong le Molao wa Naha wa Tsama so ya Tiko'loho – NEMA (Molao 107 wa 1998), Katsahl'o e thahamisiweng: Tsebo ya Letshafamo ya 2, mesebetsi wa 15 hammoho le Ta'lo ya Naha ya Tiko'loho: Molao wa Ditshila – NEMWA (Molao 59 wa 2008) – Ketsahl'o ya B1; le
- Lense ya Tshetsoa ya Metsi (WUL) tumellanong le Molao wa Naha wa Metsi – NWA (Molao wa 36 wa 1998), Mesebetsi ya metsi: Karolo ya 21 (c), Karolo ya 21 (d) le Karolo ya 21 (g)

Mesebetsi e tobileng e tla etswa e tla natsafatsa nakong ya tshetsoa. Mesebetsi e meng e eketsahleng e tla bonahala hammoho nakong ya tshetsoa. Ho tla latelwa tshetsoa e fela'etseng ya kopo ya Tshetsoa ya Tiko'loho le Tshetsoa ya Phello ya Tiko'loho.

Mokopi o nala, o bile o sebetsa ka Merafo ya Kgauti e mmalla e ditshila tshetsoa tiko'loho ya Welkom e Forestata mme ha, wale o challa dikgwere kgwere dibakeng tsa pokolo ya dikgwere kgwere tsa Free State South 2 (TSF), St. Helena 4 TSF, St. Helena 123 TSF, Dam 23 TSF, Brand D TSF le Target 1&2 TSF. Morero o seng o entawe hajwale o lekanyswang hore naha Merafo o tla Sebetsa Nako e Kae (LOM) tshetsoang ya Forestata o fetsa bakeng ba leng ba ditshila tshetsoa ba ho bokelle dikgwere kgwere, kahoo mokopi o siya ho ana Nooitgedacht TSF e sintsisweng e le ditshetsoa ho kwala sekgo sena. TSF e tla akarettsa sebaka se ka bang 8.95 km<sup>2</sup>. TSF e sintsisweng e tla famanaha dikarolong tsa zolae: Mijanne 66 Pin 0/RE, Goedgedacht 53 Pin 0, Nooitgedacht 50 Pin 0, Jacobsdal 37 Pin 0 le Rheedersdam 31 Pin 0 (Bona Nmapa).

Iwaloko motso ya ka nanga a ba le tshetsoa le ya ka nanga a anaha, o mmelewa ho ngodisa le ho fana ka maikutlo mabali le morero. E le ho etsa bonnete ba hore o a tseja mme o ngodisise o le motso ya Tshetsoang le ya Amehleleng le hore maikutlo a hao a ruwe, ka kopo romela lebitso la hao, dinaha tsa ho ikopanya le wena, lebaka la tshetsoa le hao kapa maikutlo afa kapa afe, na eng'oa kapa ka mona, ho EIMS. Ka kopo afa Nako hore wena o B&GP tse ngodisiweng feela tse tla tseba swa ka tiko'loho ka tshetsoa leeding ya bokamoso ba projeje le menyela ya ho nka karolo. E le ho qoba ho fetwa ka menyela ya ho nka karolo na sechaba ka kopo, romela boingodiso ba I&AP, kapa opotso, maikutlo, kapa mantswanyeho mabali le kopo ena, kopo e kameo ho ka qonehang ho EIMS.

Contact Person/ Kontak Persoon/ Umutu woqhakamshelwano: Lucien James

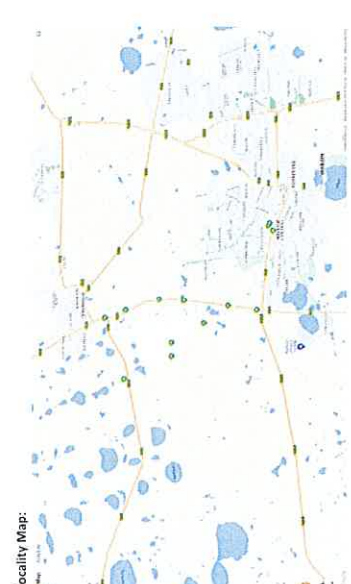
Fax/ Faks/ Faks: (086) 571 9047

EIMS Reference Number/ EIMS Verwysingsnommer/ Inombolo yezalathisi ye-EIMS: 1565

E-mail/ E-pos/ Himeyile: [nooitgedacht@eims.co.za](mailto:nooitgedacht@eims.co.za)

Postal Address/ Posadres/ Idilesi Yeposi: P.O. Box 2083, Pinegowrie 2123

Telephone/ Telefoon/ Umxheba: (011) 785 7170



Library notice



Site Notice: 05/04/2023 15:05:53; GPS Coordinates: -27.972939; -26.688219

Site Notice 1



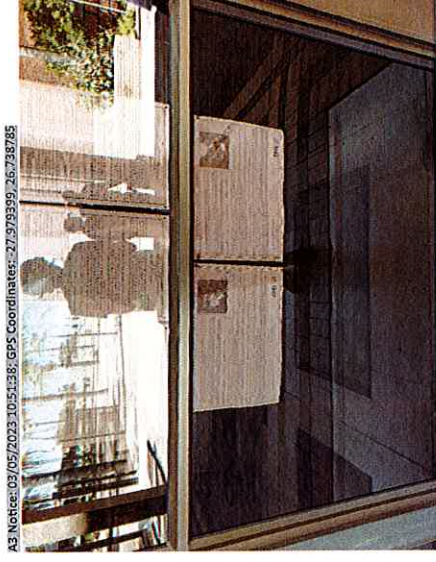
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Post office notice



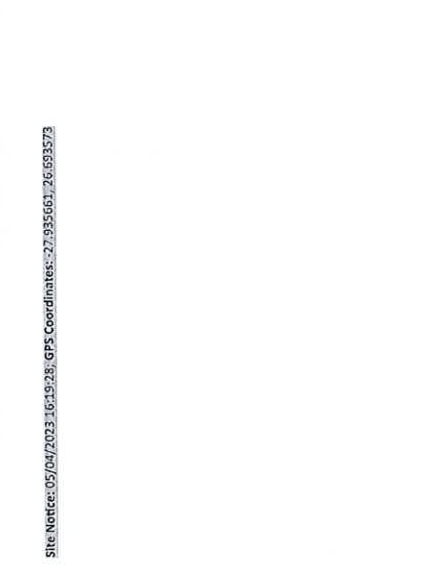
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Site Notice 2

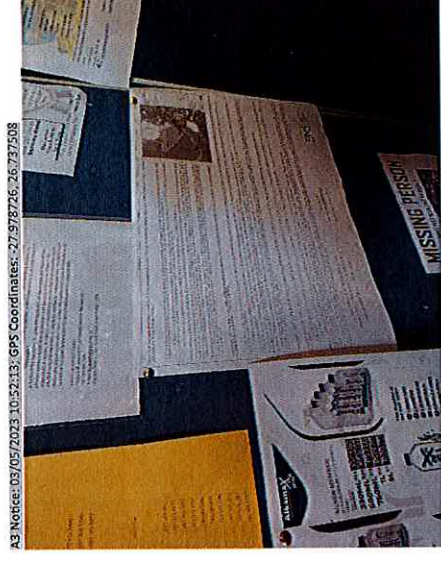


A3 Notice: 05/05/2023 10:51:38; GPS Coordinates: -27.979399; -26.738785

Municipality notice



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A3 Notice: 05/05/2023 10:52:13; GPS Coordinates: -27.978726; -26.737508

Site Notice: 05/04/2023 16:21:40; GPS Coordinates: -27.904484; 26.687418



Site notice 6

Site Notice: 05/04/2023 16:22:46; GPS Coordinates: -27.945769; 26.680340



Site notice 7

Site Notice: 05/04/2023 16:23:14; GPS Coordinates: -27.928999; 26.688781



Site notice 8



Site notice 3

Site Notice: 05/04/2023 16:20:20; GPS Coordinates: -27.924295; 26.694002



Site notice 4

Site Notice: 05/04/2023 16:20:48; GPS Coordinates: -27.905295; 26.687848



Site notice 5



## NIE-REGERINGSORGANISASIE KENNISGEWING 1742 VAN 2023

KENNISGEWING MET BETREKKING TOT GELEENTHEID OM AAN DIE OMGEWINGSAANSOEKPROSESSE TE NEEM TE NEEM NEM VUR DIE VOORGESTELDE HARMONY NOOTGEDACHT TAILINGS STORINGSFASILITEITSPROJEK, IN MATHABENG PLAASLIKE MUNISIPALITEIT, VRYSTAAT, SUID-AFRIKA.

Harmony Gold Mining Company Limited (hierna na verwys as die aansoeker) het Environmental Impact Management Services (Edms) Bpk (EIMS) as die Omgewings-evalueringspraktisyn (EAP) aangestel om die nodige omgewingsmaatrigting en gepaardgaande konsultasieprosesse te onderneem. EIMS sal die vereiste dokumentasie saamstel en indien ter ondersteuning van aansoekers:

- Geïntegreerde Omgewingsmaatrigting (EA) en Afvalbestuurslisensie (WML) in ooreenstemming met die Nasionale Omgewingsbestuurswet – NEMA (Wet 107 van 1998); Geïntegreerde aktiwiteit: Nootrigtingskennisgewing 2, Aktiwiteit 15 soos die Nasionale Omgewingsbestuur: Afvalwet – NEMWA (Wet 59 van 2008); Aktiwiteit B11; en
- Watergebruiklisensie (WUL) in ooreenstemming met die Nasionale Waterwet – NWA (Wet 36 van 1998); Watergebruik: Artikel 21 (c), Artikel 21 (f) en Artikel 21 (g).

Die presiese aktiwiteite waarvoor aansoek gedoen moet word, sal tydens die proses bevestig word. Bykomende aktiwiteite kan tydens die proses geïdentifiseer word. 'n Volledige Omvang- en Omgewingsimpakstudie aansoekproses sal gevolg word.

Die applikant besit en bedryf 'n aantal Goudmyn en aanlegte in die Welkom-streek in die Vrystaat en deponeer tans uitkots op die Vrystaat Suid 2 Uitskots Stoofasiliteit (TSF), St. Helena 4 TSF, St. Helena 123 TSF, Dam 23 TSF, Brand D TSF en Target 1&2 TSF. Die huidige beplande Life of Mine (LOM) van die Vrystaatske bedryf word oorsy die beskikbare afsattingskapasiteit van hierdie TSF's en die aansoeker stel dus voor om die voorgestelde Nootgedacht TSF te bou om vir hierdie bykomende kapasiteit voorsiening te maak. Die TSF sal 'n gebied van ongeveer 8,95 km<sup>2</sup> dek.

Die voorgestelde TSF sal geleë wees op Plaasgedeeltes Mijanne 66 Ptn 0/RE, Goedgedacht 53 Ptn 0, Nootgedacht 50 Ptn 0, Jacobsdal 37 Ptn 0 en Rheedersdam 31 Ptn 0.

EIMS sal die prosedures volg soos omskryf in die Omgewingsimpakbeoordeling (OIB) Regulasies (GRN982 van 2014, soos gewysig) en in die Watergebruiklisensie Aansoek (WULA) en Appelleregulasies, 2017 (GNR 267 van 24 Maart 2017) vir die onderneem van Omvang- en Omgewingsimpakstudie en WULA prosed. In ooreenstemming met Hoofstuk 6 van die OIB-regulasies en Artikel 41 van die NWA, sal 'n openbare deelnameproses onderneem word. U word hiermee uitgenooi om te registreer en kommentaar te lewer op die voorgestelde projek en aansoek/s. Om te verseker dat jy geïdentifiseer en geregistreer word as 'n B&GP en dat jou kommentaar vasgelê word, dien asseblief jou naam, kontakbesonderhede, die rede vir jou belangstelling of enige kommentaar, skriftelik of telefonies, by EIMS binne 30 dae vanaf die publikasie van hierdie kennisgewing. Neem asseblief kennis dat slegs geregistreerde B&GPs ingelig sal word oor toekomstige projekinligting en geleentehede vir deelname.

Deur as 'n B&GP te registreer, stem jy in tot die versameling en verwerking van jou persoonlike inligting soos per die EIMS Privaatheidskennisgewing beskikbaar by [www.eims.co.za/public-participation](http://www.eims.co.za/public-participation). Om te verhoed dat geleentehede

vir publieke deelname misgeloop word, dien asseblief B&GP-registrasies, of enige navrae, kommentaar of beklommens met betrekking tot hierdie aansoek, so gou moontlik in by EIMS by:

Kontakpersoon: Lucien James

EIMS Verwysingsnommer: 1565

Posadres: Posbus 2083, Pinnagowrie; 2123

Telefoon: (011) 789 7170/ Faks: (086) 571 9047

E-pos: [nootgedacht@eims.co.za](mailto:nootgedacht@eims.co.za)

Sluit asseblief die projekverwysingsnommer 1565 by alle korrespondensie in.

## NON-GOVERNMENTAL ORGANIZATION

### NOTICE 1742 OF 2023

NOTIFICATION REGARDING OPPORTUNITY TO PARTICIPATE IN THE ENVIRONMENTAL APPLICATION PROCESSES FOR THE PROPOSED HARMONY NOOTGEDACHT TAILINGS STORAGE FACILITY PROJECT, IN MATHABENG LOCAL MUNICIPALITY, FREE STATE, SOUTH AFRICA.

Harmony Gold Mining Company Limited (hereinafter referred to as the applicant) has appointed Environmental Impact Management Services (Pty) Ltd (EIMS) as the Environmental Assessment Practitioner (EAP) to undertake the necessary environmental authorisation and associated consultation processes. EIMS will compile and submit the required documentation in support of applications for:

- Integrated Environmental Authorisation (EA) and Waste Management License (WML) in accordance with the National Environmental Management Act – NEMA (Act 107 of 1998); Listed activity: Listing Notice 2, Activity 15 as well as the National Environmental Management: Waste Act – NEMWA (Act 59 of 2008)- Activity B11; and
- Water Use Licence (WUL) in accordance with the National Water Act – NWA (Act 36 of 1998). Water uses: Section 21 (c), Section 21 (f) and Section 21 (g).

The exact activities to be applied for will be confirmed during the process. Additional activities may be identified during the process. A full Scoping and Environmental Impact Assessment application process will be followed.

The applicant owns and operates a number of Gold Mines and plants in the Welkom region in the Free State and currently deposits tailings onto the Free State South 2 Tailings Storage Facility (TSF), St. Helena 4 TSF, St. Helena 123 TSF, Dam 23 TSF, Brand D TSF and Target 1&2 TSF. The current planned Life of Mine (LOM) of the Free State operations exceed the available deposition capacity of these TSFs and the applicant is therefore proposing to construct the proposed Nootgedacht TSF to cater for this additional capacity. The TSF will cover an area of approximately 8.95 km<sup>2</sup>. The proposed TSF will be located on Farm portions Mijanne 66 Ptn 0/RE, Goedgedacht 53 Ptn 0, Nootgedacht 50 Ptn 0, Jacobsdal 37 Ptn 0 and Rheedersdam 31 Ptn 0.

EIMS will be following the procedures defined in the Environmental Impact Assessment (EIA) Regulations (GRN982 of 2014, as amended) and in the Water Use Licence Application and Appeals Regulations, 2017 (GNR 267 of 24 March 2017) for undertaking a Scoping and Environmental Impact Assessment (EIA) and WULA process. In accordance with Chapter 6 of the EIA Regulations Section 41 of the NWA, a public participation process will be undertaken. You are hereby invited to register and comment on the proposed project and application/s. In order to ensure that you are identified and registered as an I&AP and that your comments are captured, please submit your name, contact details, the reason for your interest or any, in writing or telephonically, to EIMS within 30 days of the publication of this notice. Please note that only registered I&AP's will be informed of future project information and opportunities for participation.

By registering as an interested and affected party you consent to the collection and processing of your personal information as per the EIMS Privacy Notice available at [www.eims.co.za/public-participation](http://www.eims.co.za/public-participation). In order to avoid missing out on opportunities for public participation please submit I&AP registrations, or any queries, comments, or concerns with regards to this application, as soon as possible to EIMS at:

Contact Person: Lucien James

EIMS Reference Number: 1565

Postal Address: P.O. Box 2083, Pinnagowrie; 2123

Telephone: (011) 789 7170/ Fax: (086) 571 9047

E-mail: [nootgedacht@eims.co.za](mailto:nootgedacht@eims.co.za)

Please include the project reference number 1565 in all correspondence.

**KITSISO MABAPI LE TSHONO YA GO TSAYA KAROLO KOPONG YA MASEBETSI YA TSA TIKOLOGO BAKENG SA PROJEKE E SISINTSWENG YA POLOKELA YA LIGWERE-KGWERE YA HARMONY NOOITGEDACHT, MMASEPALENG WA LEGAE WA MATHABENG, FORESTATATA, AFRIKA BORWA.**

Harmony Gold Mining Company Limited (e ka morago fano e leng motseya kopop) e kgethile Environmental Impact Management Services (Pty) Ltd (EIMS) e le Setsebi ya Tikologo (EAP) ho etsa tumellelo e tihlokgalang ya tikologo le ditirelo tse amaganang le yone. EIMS e tla kgobokanya le go fana ka ditokumente tse di tihlokgalang go tshetsetsa dikopo bakeng sa:

- Tumello e Kopantsweng ya Tikoloho (EA) le Laesense ya Tsamaiso ya Ditshila (MWL) tumellanong le Molao wa Naga wa Tsamaiso ya Tikologo - NEMA (Molao 107 wa 1998)- Ketsagalo e tihathamitsweng: Tsebisio ya Lethathamo ya 2, mosebetsi wa 15 mmogo le Taolo ya Naga ya Tikologo: Molao wa Ditshila - NEMWA (Molao 59 wa 2008)- Ketsagalo ya B11; le
- License ya Tiriso ya Metsi (WUL) tumellanong le Molao wa Naga wa Metsi - NWA (Molao wa 36 wa 1998). Mosebetsi ya metsi: Karolo ya 21 (C), Karolo ya 21 (I) le Karolo ya 21 (G).

Mosebetsi e sebiwang e tla etswa e tla netefatswa nakong ya tshebetso. Mosebetsi e meng e eketsagileng e tla bonagala sentle nakong ya mosebetsi. Go tla latelwa tshebetso e felleltseng ya kopop ya tshebetso ya Tikologo le Thahlobo ya Phello ya Tikologo.

Mokopi o na le, o bile o sebetse ka Merato ya Kgauta e mmalwa le ditsi tsa tshebetso tikologong ya Welkom e Forestatata mme hajwale o qhalala dikgwere-kgwere dibakeng tsa pokello ya dikgwere-kgwere tsa Free State South 2(TSF), St. Helena 4 TSF, St. Helena 123 TSF, Dam. 23 TSF, Brand D TSF le Target 1&2 TSF. Morero o osetseng o ceditse bojanong o lekanytsang hore nna Morato o tla Sebetsa Nako e Kae (LOM) tshobetsong ya Forestatata o feba bolgoni bo teng ba di-TSF tsena ba go kgobokanya dikgwere-kgwere, kamoo mokopi o tsitsinya go aga Nooitgedacht TSF e tsitsitsweng e le tlatsetso go tsala sekgoe sena. . TSF e tla akaretse sebaka se ka nng 8.95 km2. TSF e sisintsweng e tla fithelwa dikarolong tsa polasi Mijannie 66 Ptn 0/RE, Goedgedacht 53 Ptn 0, Nooitgedacht 50 Ptn 0, Jacobsdal 37 Ptn 0 le Rheedersdam 31 Ptn 0.

EIMS e tla be e latela ditsamaiso tse tihlosweng go Melawana ya Tikologo ya Phello ya Tikologo (EIA) (GRN982 ya 2014, jaloka ha e fetotswa) le Molao ya Kopop ya Laesense ya Tshebetso ya Metsi le Molao ya Boipiletso, 2017 (GNR 267 yala 24 Hlakubele 2017) bakeng sa go etsa Thahlobo ya Motheo le tshebetso ea WULA. Tumellanong le Kgalo ya 6 ya Melawana ya EIA le Karolo ya 41 ya NWA, mokgwa wa go kenya letsego ga setshaba o tla etswa. O memiwa go ikwadisa le go fana ka maikutlo mabapi le projeke e sisintsweng le kopo/dikopo. E le ho etsa bonnete ba gore o itsebagaditse mme o kwaditse o le i&AP le gore maikutlo a gao a bobokiliwa, ka kopop romela leina la gago, boitsebiso ba go ikgolaganya le wena, lobaka la kgethego ya gago kapa maikutlo afe kapa afe, ka lengolo kapa ka mogala, go EIMS mo teng ga malatsi a le 30 a kitsiso ya kgatiso e. Ka kopop tihlokomela gore ke batho ba i&APs ba ikwaditseng feela ba tla tsebiswa ka ditaba tsa projeke nakong e tiang le menyela ya go tsaya karolo.

Ka go ikwadisa jalo ka mokga o nang le kgethego le o amegang, o dumela go kgobokanya le go dirisiwa ga dintlha tsa gago go latela Tsebisio ya sephiri ya EIMS e fitholwang go [www.eims.co.za/public-participation](http://www.eims.co.za/public-participation) Gore o seke wa fetwa ke menyela ya go tsaya karolo ga setshaba ka kopop, romela boikwadiso ba i&AP, kapa dipotso, maikutlo, kapa matshwenyego mabapi le kopop ena, kapele kamoo go ka kgonagalang go EIMS go:

Motho yo go ka Buisanwang le ene ke: Lucien James

Nomoro ya Tshupiso ya EIMS: 1565

Aterese ya Poso: P.O. Box 2083; Pinetown; 2123

Mogala: (011) 789 7170/ Fekse: (086) 571 9047

Emelile: [noopitgedacht@eims.co.za](mailto:noopitgedacht@eims.co.za)

Ka kopop bontsha nomoro ya boitshupo ya projeke e leng 1565 makwalong othe.

**Appendix 5 - Proof of submission of applications**



## John Von Mayer

---

**From:** Ewulaas\_Do\_Not\_Reply@dws.gov.za  
**Sent:** Monday, 22 May 2023 15:16  
**To:** John Von Mayer  
**Subject:** Pre-Application Water Use Enquiry has been submitted to the department (WU29817)

Dear Mr John von Mayer (Environmental Consultant),

A request for consultation for the following Pre-Application Water Use Enquiry has been submitted to the department :

Harmony Nooitgedacht Tailings Storage Facility (WU29817)

Your request for consultation was submitted to :

Name : Mr B. Fortuin (Wul Manager)  
e-Mail : Fortuinb@dws.gov.za  
Tel : 0514050122

[Click Here to access the Application](#)

Kind Regards,

e-WULAAS on Behalf of **Department of Water and Sanitation**

Private Bag X313, Pretoria, 0001  
Sedibeng Building, 185 Francis Baard Street, Pretoria, 0001  
Tel: (012) 336 7500  
Fax: (012) 323-4472  
Website: [www.dws.gov.za](http://www.dws.gov.za)  
Email: [E-WULAASCalls@dws.gov.za](mailto:E-WULAASCalls@dws.gov.za)



**water & sanitation**

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA



**e-WULAAS**

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## Appendix 6 – Screening and Verification

**SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION AS  
REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE  
ENVIRONMENTAL SENSITIVITY**

**EIA Reference number:** New Application


**Project name:** Harmony Nooitgedacht Tailings Storage Facility

**Project title:** Proposed Construction of a new mega tailings storage facility located in Welkom

**Date screening report generated:** 23/03/2023 11:55:39

**Applicant:** Harmony

**Compiler:** EIMS

**Compiler signature:**   
.....

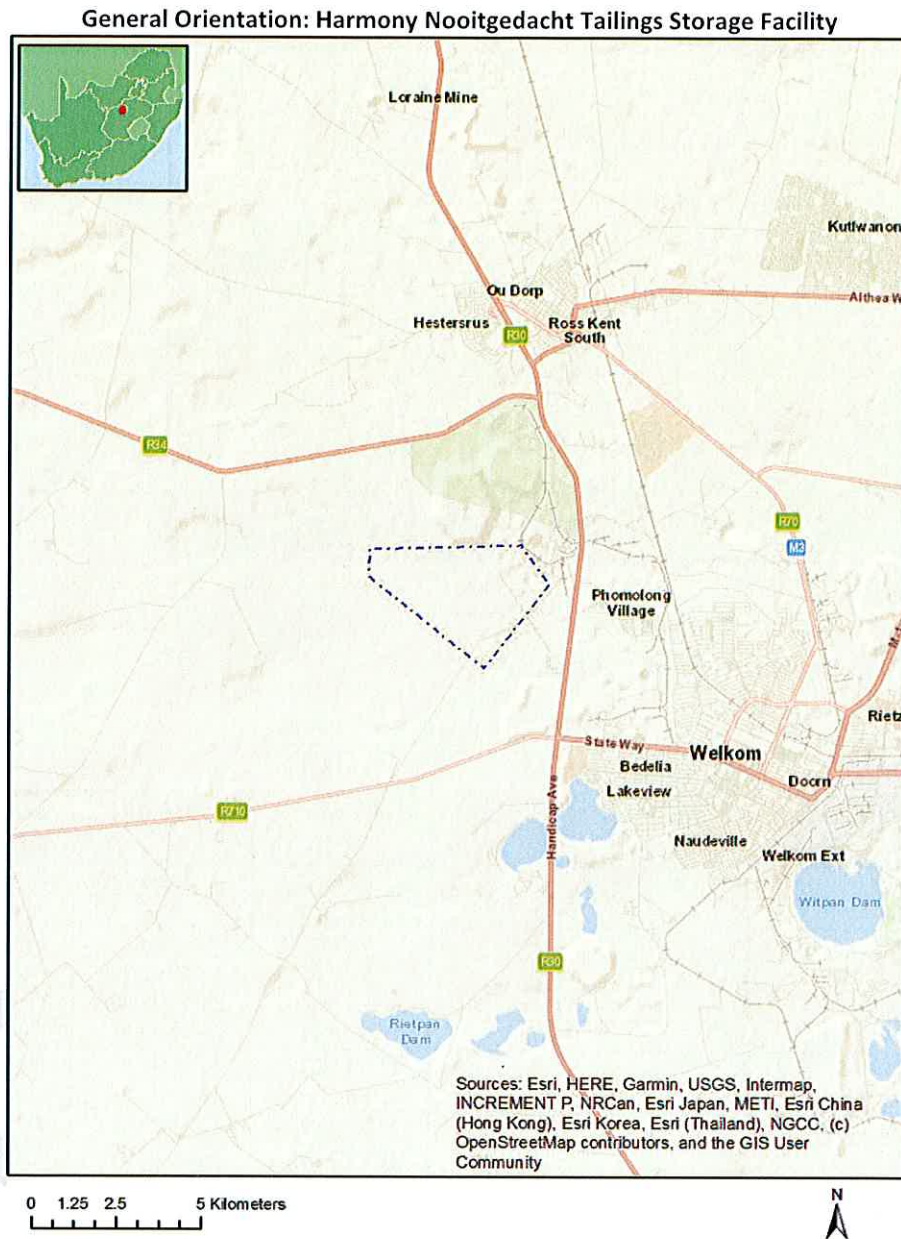
**Application Category:** Transformation of land | Indigenous vegetation

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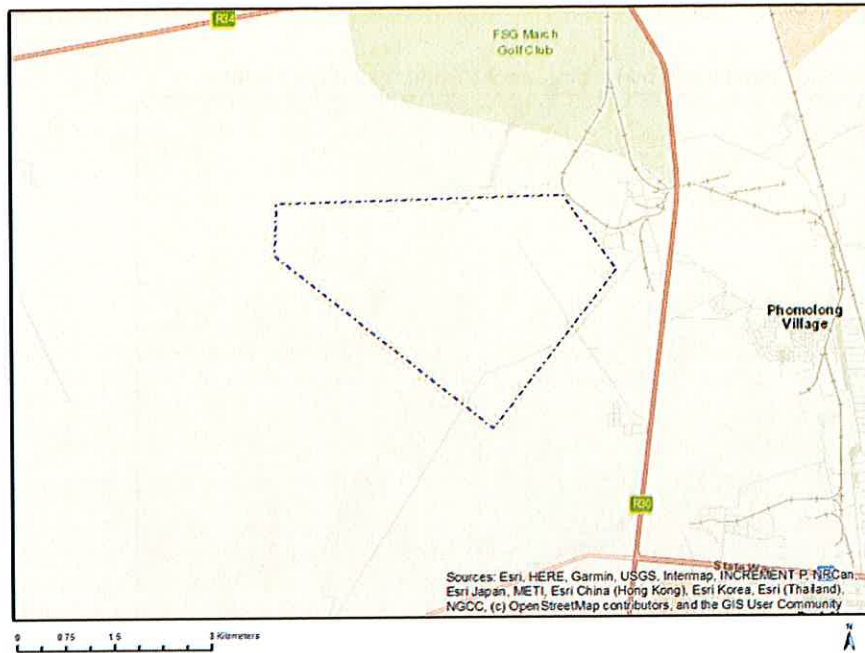
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# Proposed Project Location

## Orientation map 1: General location



## Map of proposed site and relevant area(s)



## Cadastral details of the proposed site

Property details:

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1	EUREKA	146	0	27°54'33.82S	26°38'58.02E	Farm
2	RIETPAN	17	0	27°55'5.39S	26°40'39.52E	Farm
3	JACOBSDAL	37	0	27°56'15.57S	26°39'1.4E	Farm
4	RIETPAN	17	0	27°55'2.6S	26°40'40.22E	Farm
5	RHEEDERS DAM	31	0	27°56'26.49S	26°40'42.48E	Farm
6	MIJANNIE	66	0	27°56'8.11S	26°41'9.62E	Farm
7	OUDERS GIFT	48	0	27°54'58.27S	26°39'47.07E	Farm
8	NOOITGEDACHT	50	0	27°56'17.31S	26°40'3.88E	Farm
9	GOEDGEDACHT	53	0	27°57'7.27S	26°40'13.9E	Farm
10	RIETPAN	17	0	27°55'7.69S	26°40'46.82E	Farm Portion
11	RIETPAN	17	0	27°55'25.36S	26°40'42.17E	Farm Portion
12	RHEEDERS DAM	31	0	27°56'23.42S	26°40'48.35E	Farm Portion
13	OUDERS GIFT	48	0	27°54'58.54S	26°39'51.09E	Farm Portion
14	MIJANNIE	66	0	27°55'56.85S	26°40'59.01E	Farm Portion
15	JACOBSDAL	37	0	27°56'15.57S	26°39'1.4E	Farm Portion
16	GOEDGEDACHT	53	0	27°57'7.27S	26°40'13.9E	Farm Portion
17	EUREKA	146	0	27°54'33.82S	26°38'58.02E	Farm Portion
18	NOOITGEDACHT	50	0	27°56'17.31S	26°40'3.88E	Farm Portion

Development footprint<sup>1</sup> vertices:

<sup>1</sup> "development footprint", means the area within the site on which the development will take place and includes all ancillary developments for example roads, power lines, boundary walls, paving etc. which require vegetation clearance or which will be disturbed and for which the application has been submitted.

No development footprint(s) specified.

## Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area

No	EIA Reference No	Classification	Status of application	Distance from proposed area (km)
1	14/12/16/3/3/1/644	Solar PV	Approved	24.8
2	14/12/16/3/3/1/1472	Solar PV	Approved	2.2
3	12/12/20/2669	Solar PV	Approved	25.3
4	14/12/16/3/3/1/1444	Solar PV	Approved	7.6
5	12/12/20/2669/A	Solar PV	Approved	25.3
6	14/12/16/3/3/1/1471	Solar PV	Approved	0

## Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

## Environmental screening results and assessment outcomes

The following sections contain a summary of any development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmental sensitive features on the site based on the site sensitivity screening results for the application classification that was selected. The application classification selected for this report is:

**Transformation of land | Indigenous vegetation.**

## Relevant development incentives, restrictions, exclusions or prohibitions

The following development incentives, restrictions, exclusions or prohibitions and their implications that apply to this site are indicated below.

Incentive, restriction or prohibition	Implication
Strategic Transmission Corridor-Central corridor	<a href="https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf">https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf</a>

## Proposed Development Area Environmental Sensitivity

The following summary of the development site environmental sensitivities is identified. Only the highest environmental sensitivity is indicated. The footprint environmental sensitivities for the proposed development footprint as identified, are indicative only and must be verified on site by a suitably qualified person before the specialist assessments identified below can be confirmed.

Theme	Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity

Agriculture Theme		X		
Animal Species Theme		X		
Aquatic Biodiversity Theme	X			
Archaeological and Cultural Heritage Theme				X
Civil Aviation Theme		X		
Defence Theme				X
Paleontology Theme		X		
Plant Species Theme				X
Terrestrial Biodiversity Theme	X			

### Specialist assessments identified

Based on the selected classification, and the known impacts associated with the proposed development, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report, the reason for not including any of the identified specialist study including the provision of photographic evidence of the site situation.

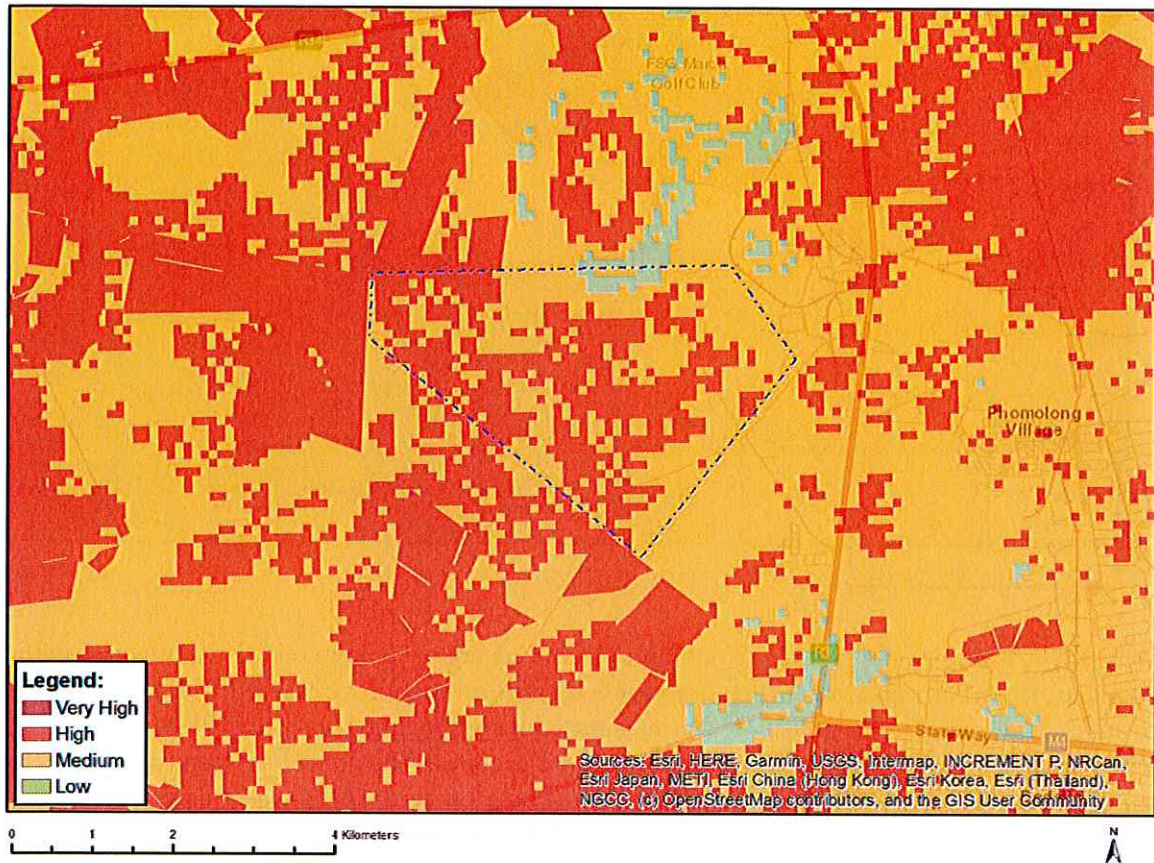
No	Specialist assessment	Assessment Protocol
1	Landscape/Visual Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted%20General%20Requirement%20Assessment%20Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
2	Archaeological and Cultural Heritage Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted%20General%20Requirement%20Assessment%20Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
3	Palaeontology Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted%20General%20Requirement%20Assessment%20Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
4	Terrestrial Biodiversity Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted%20Terrestrial%20Biodiversity%20Assessment%20Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Terrestrial Biodiversity Assessment Protocols.pdf</a>
5	Aquatic Biodiversity Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted%20Aquatic%20Biodiversity%20Assessment%20Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Aquatic Biodiversity Assessment Protocols.pdf</a>
6	Socio-Economic Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted%20General%20Requirement%20Assessment%20Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
7	Plant Species Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted%20Plant%20Species%20Assessment%20Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf</a>
8	Animal Species Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted%20Animal%20Species%20Assessment%20Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Animal Species Assessment Protocols.pdf</a>



## Results of the environmental sensitivity of the proposed area.

The following section represents the results of the screening for environmental sensitivity of the proposed site for relevant environmental themes associated with the project classification. It is the duty of the EAP to ensure that the environmental themes provided by the screening tool are comprehensive and complete for the project. Refer to the disclaimer.

### MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY

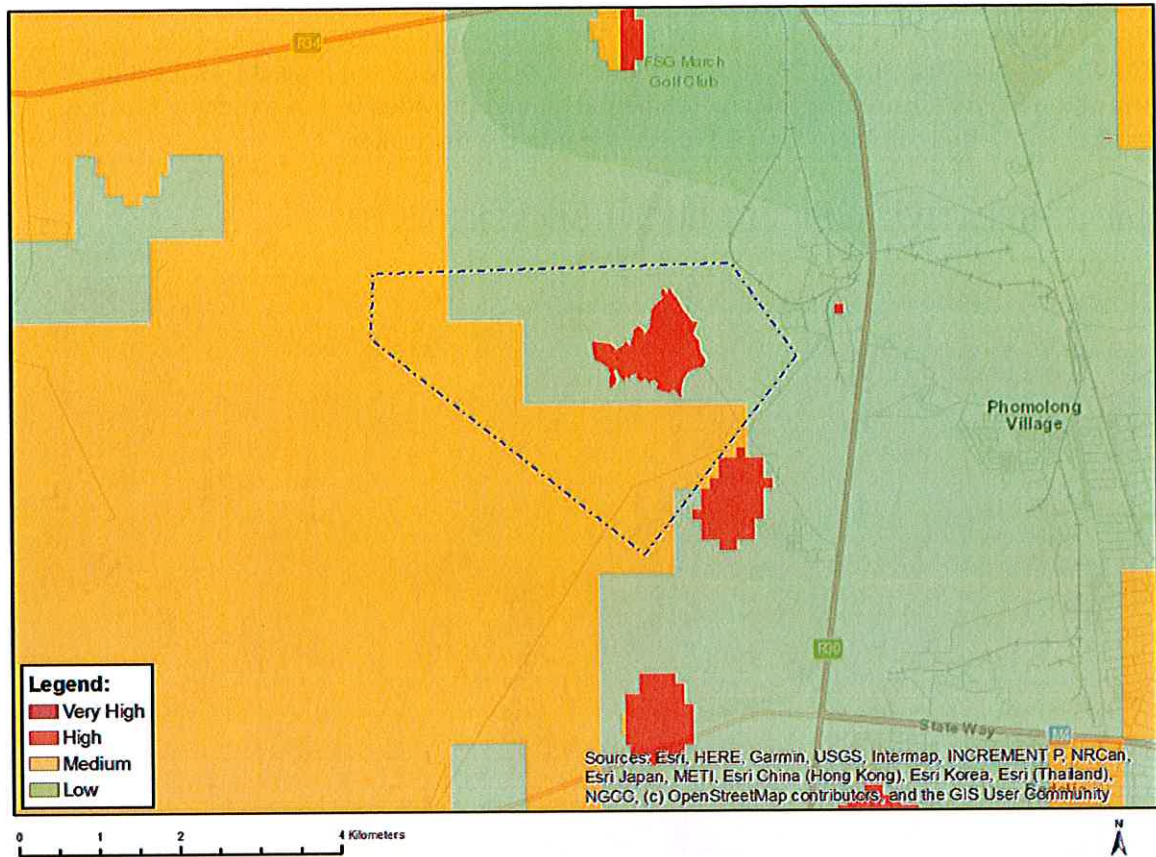


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

#### Sensitivity Features:

Sensitivity	Feature(s)
High	Land capability;09. Moderate-High/10. Moderate-High
High	Old Fields;Land capability;09. Moderate-High/10. Moderate-High
High	Old Fields;Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate
Low	Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low
Medium	Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate

## MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



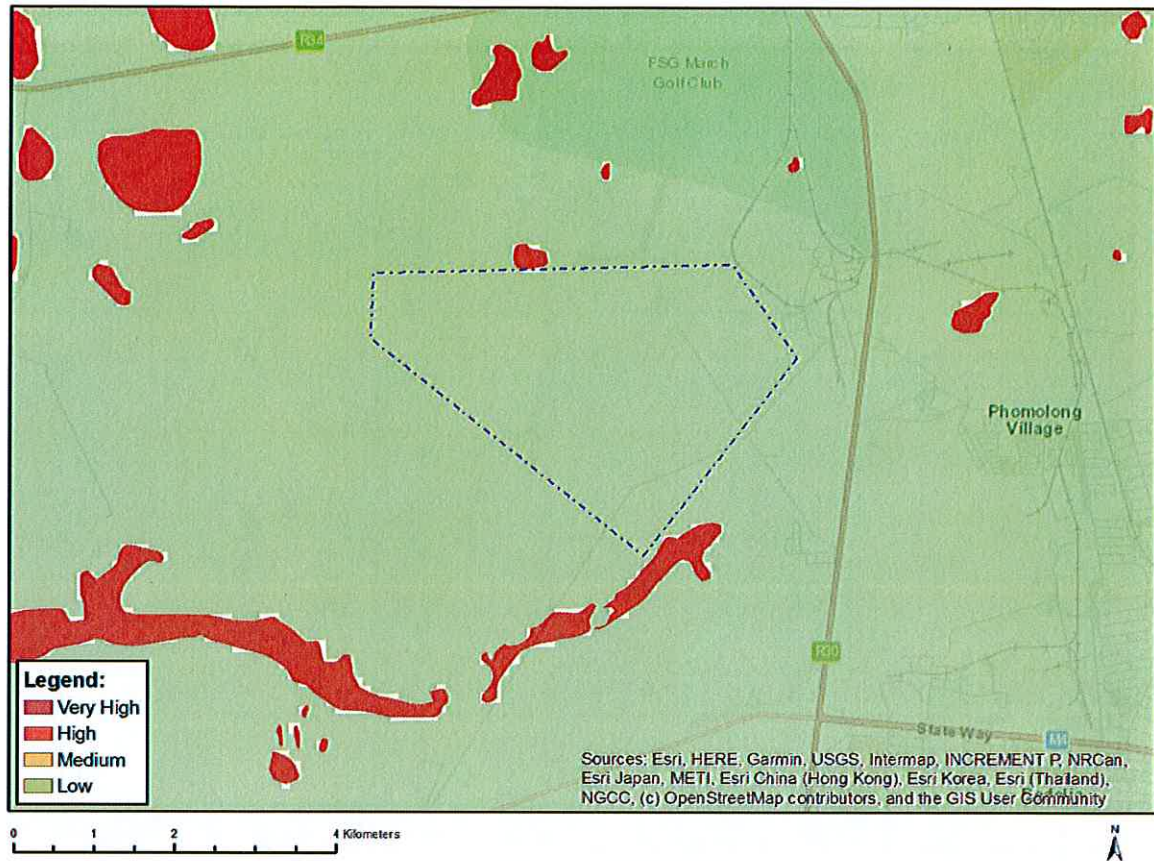
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at [eiadatarequests@sanbi.org.za](mailto:eiadatarequests@sanbi.org.za) listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

### Sensitivity Features:

Sensitivity	Feature(s)
High	Sensitive species 15
Low	Subject to confirmation
Medium	Sensitive species 15

## MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

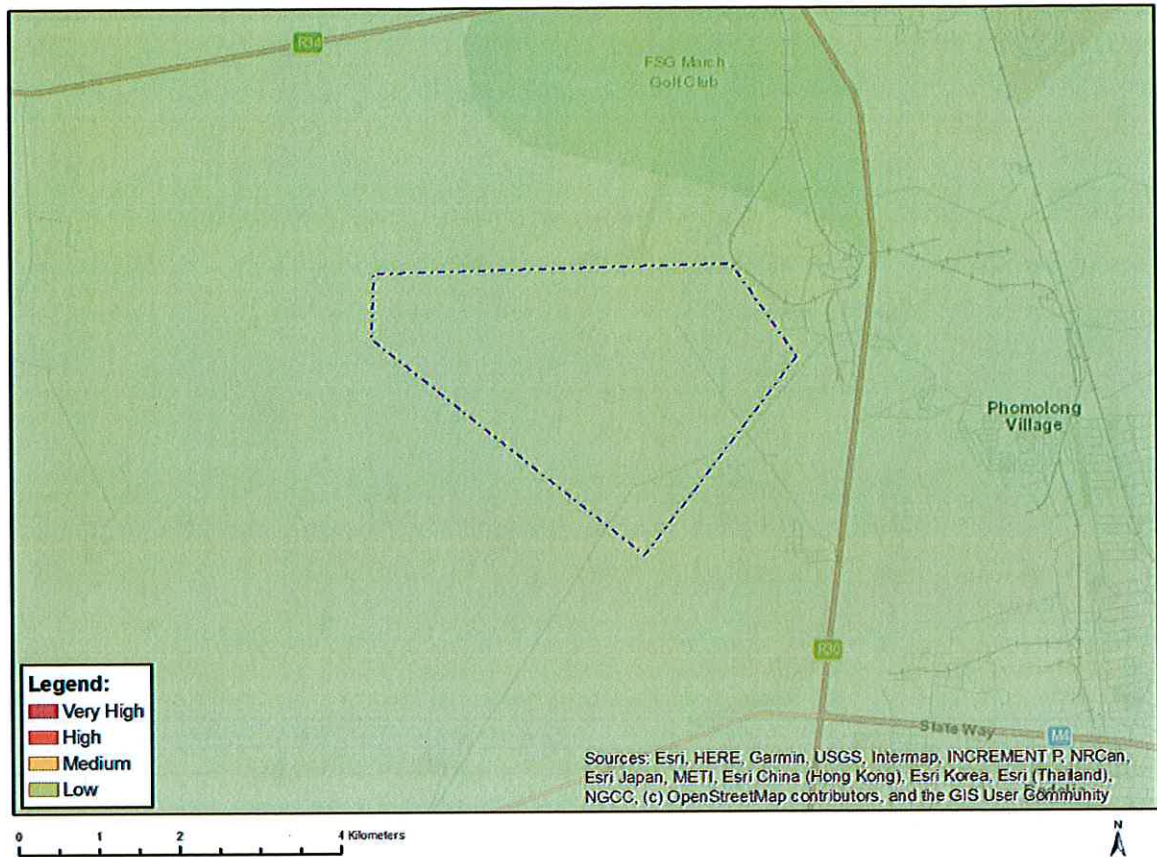


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

### Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity
Very High	Wetlands and Estuaries

# MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

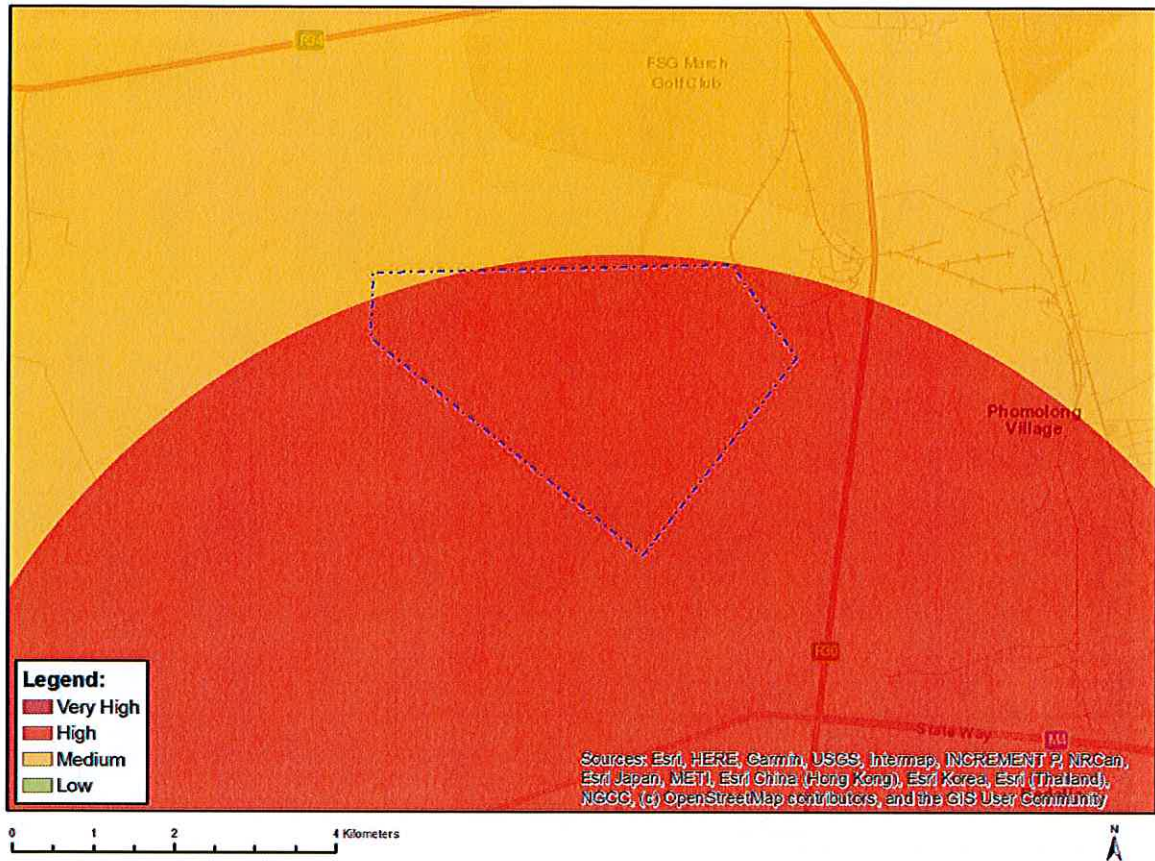


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

## Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

## MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

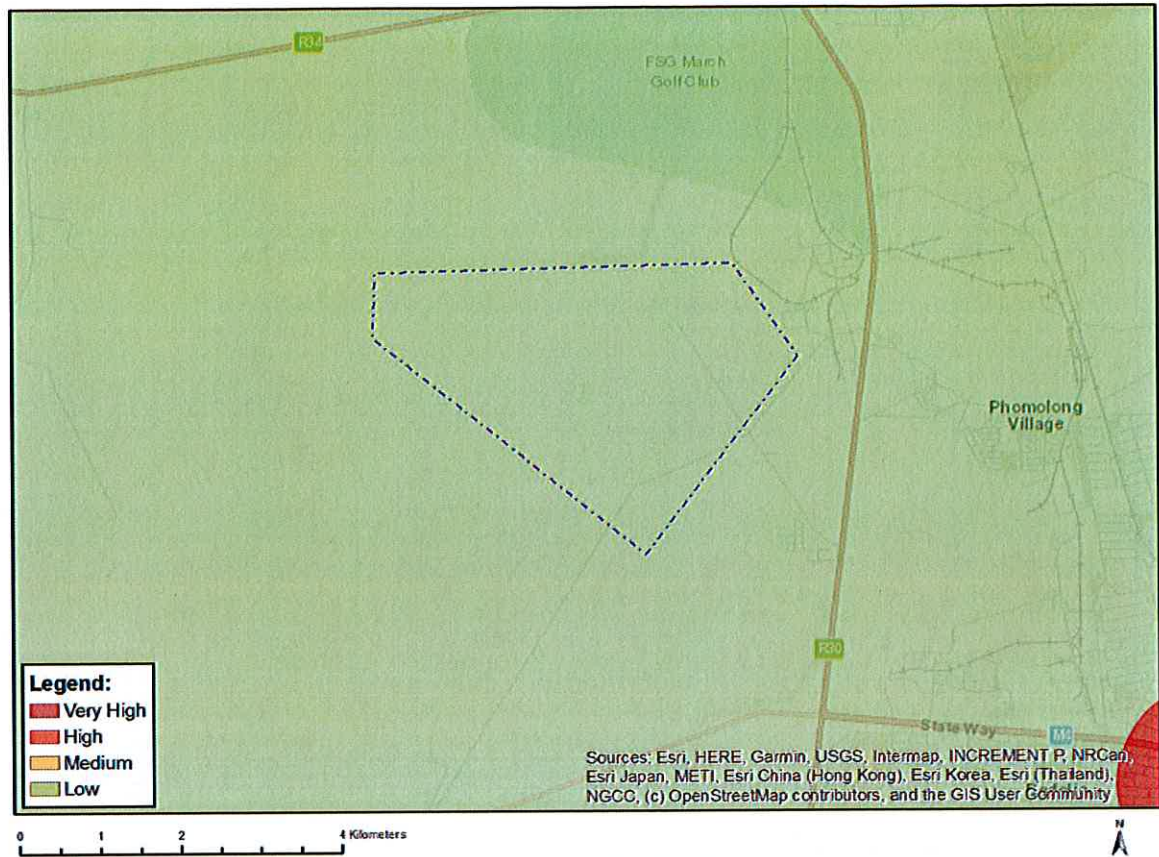


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

### Sensitivity Features:

Sensitivity	Feature(s)
High	Within 8 km of other civil aviation aerodrome
Medium	Within 5 km of an air traffic control or navigation site
Medium	Between 8 and 15 km of other civil aviation aerodrome

## MAP OF RELATIVE DEFENCE THEME SENSITIVITY

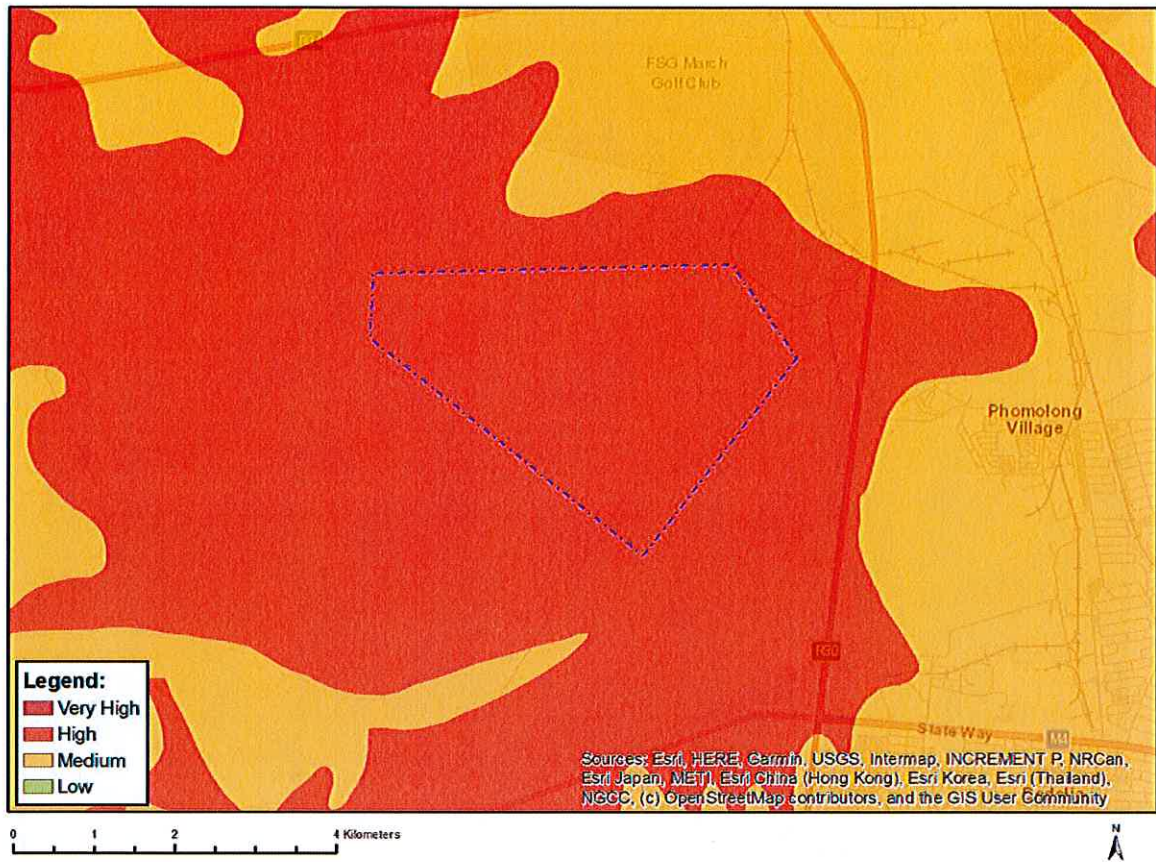


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

### Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

## MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

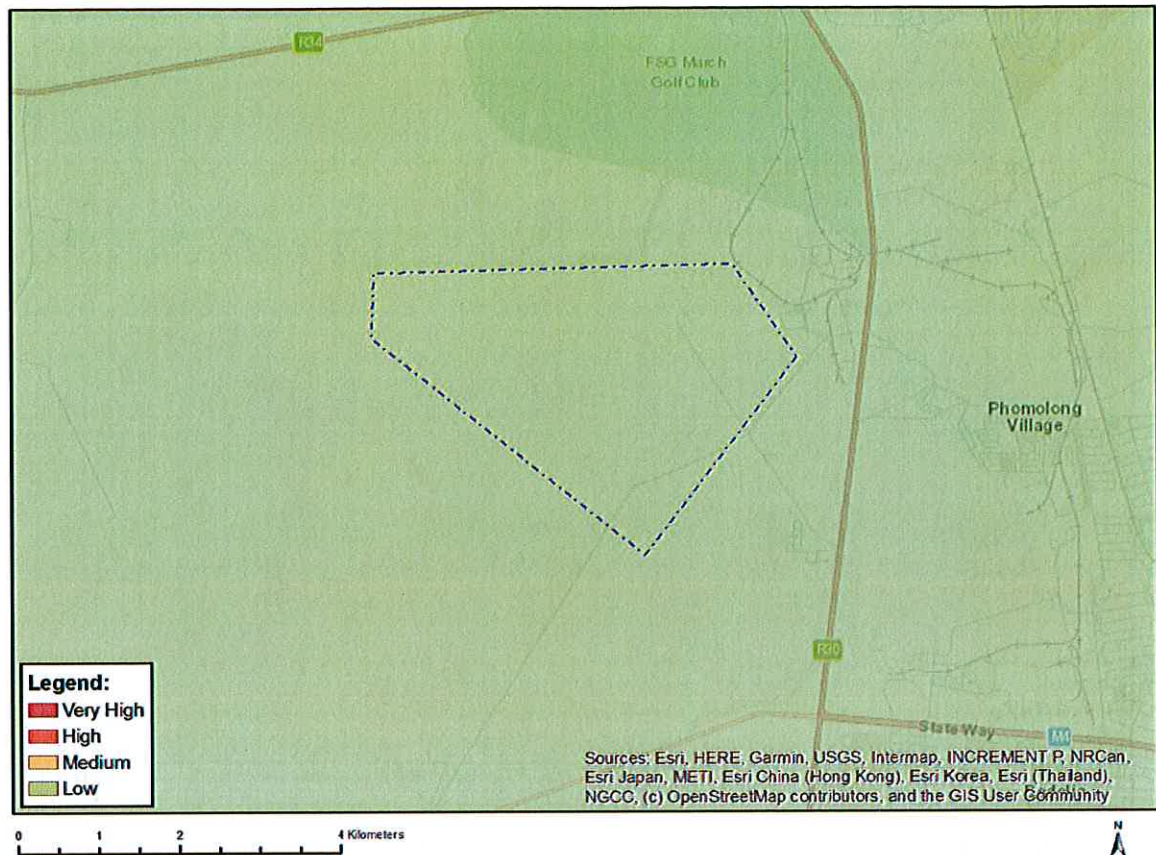


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

### Sensitivity Features:

Sensitivity	Feature(s)
High	Features with a High paleontological sensitivity
Medium	Features with a Medium paleontological sensitivity

## MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at [eiadatarequests@sanbi.org.za](mailto:eiadatarequests@sanbi.org.za) listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

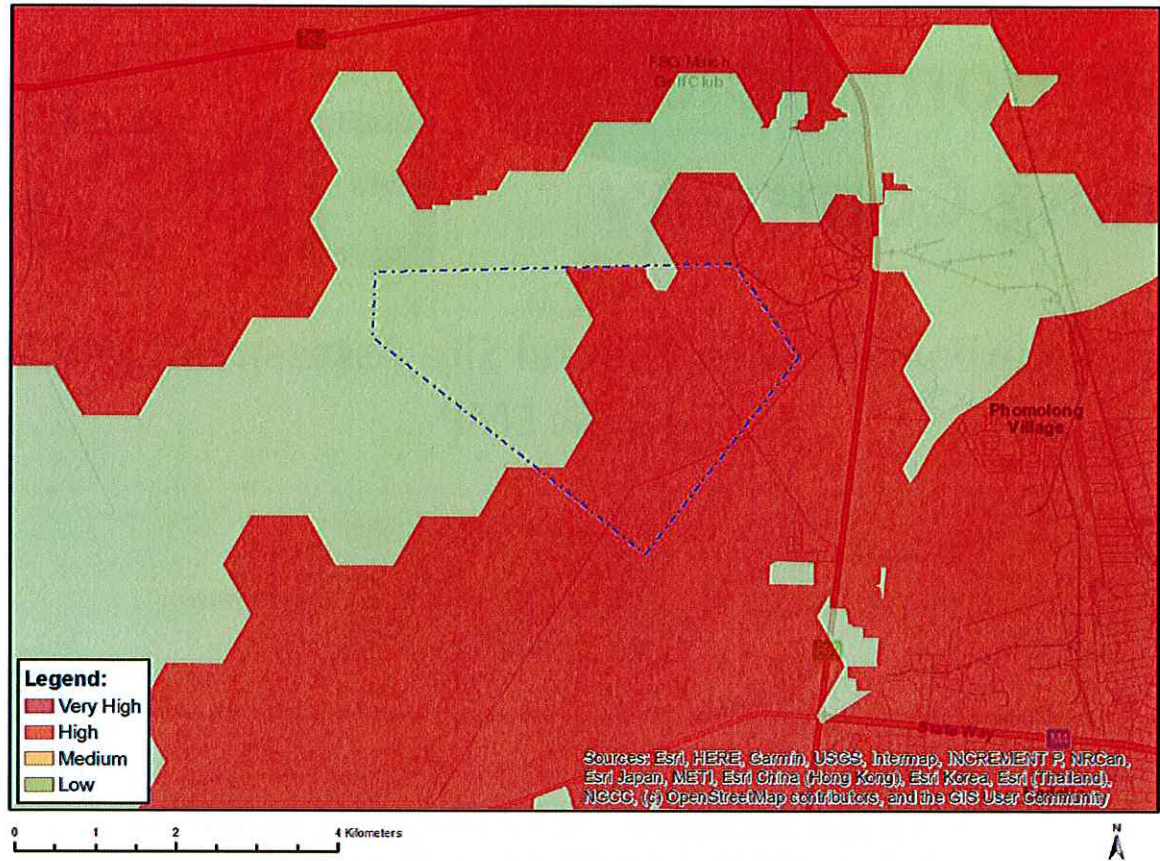
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

### Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity



## MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

### Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity
Very High	Critical biodiversity area 1
Very High	Ecological support area 1
Very High	Ecological support area 2

PREPARED FOR:



PREPARED BY:

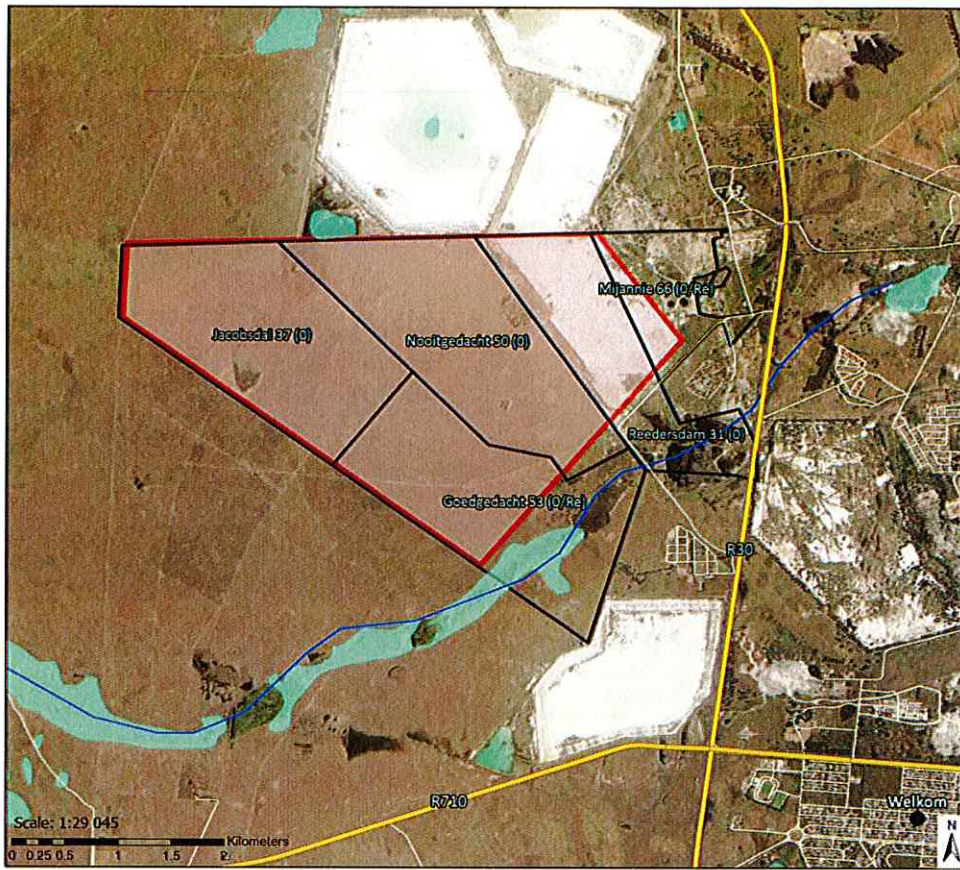
# Harmony Gold Mining Company



## Pre-disturbance Environmental Site Assessment and Site Specific EMP

Site ID:	Harmony Nooitgedacht TSF	Contractor:	EIMS
Location:	Harmony Mines - Welkom	Inspector:	John von Mayer
Client representative:	N/A	Inspection Date:	5 April 2023

1. Background					
Background of the project:	The applicant (Harmony) owns and operates a number of Gold Mines and plants in the Welkom region in the Free State and currently deposits tailings onto the Free State South 2 Tailings Storage Facility (TSF), St. Helena 4 TSF, St. Helena 123 TSF, Dam 23 TSF, Brand D TSF and Target 1&2 TSF. The current planned Life of Mine (LOM) of the Free State operations exceed the available deposition capacity of these TSFs and the applicant is therefore proposing to construct the proposed Nooitgedacht TSF to cater for this additional capacity. The TSF will cover an area of approximately 8.95 km <sup>2</sup> . The proposed TSF will be located on Farm portions Mijannie 66 Ptn 0/RE, Goedgedacht 53 Ptn 0, Nooitgedacht 50 Ptn 0, Jacobsdal 37 Ptn 0 and Rheedersdam 31 Ptn 0.				
Project Aspects:	Yes	No	Details (provide specifications)	Location (DD MM SS)	
				Latitude	Longitude
❖ TSF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Expansion of Tailings Storage Facility	<b>Centre Point</b> 27°56'27.47"S	26°39'55.20"E
				<b>Corner points</b> 27°55'46.82"S 27°56'10.31"S 27°57'26.84"S 27°56'16.58"S 27°55'43.59"S	26°38'19.61"E; 26°38'18.33"E; 26°40'7.57"E; 26°41'9.61"E; 26°40'43.48"E
❖ Other:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No other project components are applicable – application is for TSF only		
2. Site Layout Plan					



**Locality Map**  
1565 Harmony Noolgedacht TSF EIA WUL

**Legend**

- Proposed Tailings Storage Facility
- Local Town
- Local Roads
- ~ Rivers
- Wetlands (National Wetland Map)
- Affected Farm Portions
- Regional Roads

Alkmaar  
Oudtshoorn  
Welkom

Proj: NAD, UTM, UTM  
South Africa, Proj: HERE, Spheri  
FourSquare, RAD, MER, NAD, UTM

**Data Sources:**  
CSG; ESRI  
Coord System: GCS WGS 1984  
Datum: WGS 1984  
Units: Degree  
Ref: 1565\_Locality Map

Date: 2023/03/28  
EIR/IS Ref: 1565  
Compiled: CM  
Reviewed: JP  
Approved: LW

**2. DEA Screening Tool Assessment**

Aspect	Very High	High	Medium	Low
Agriculture		X		
Animal species		X		
Aquatic Biodiversity	X			
Civil Aviation		X		
Defense Theme				X
Archaeological and Cultural Heritage				X
Paleontology		X		
Plant Species Theme				X
Terrestrial Ecology/Biodiversity	X			



### 3. Site Assessment

#### 3.1 Gradient (indicate the general gradient characteristics of site)

Aspect									
TSF site area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Is the site located on or in the immediate vicinity of any of the following:

	Yes	No	Comment
Erosion Channels or areas of severe erosion/ destabilized soils	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Wetlands (within 32m)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Unstable slopes or geological features (rocky outcrops)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bare areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Several bare areas around site proposed for TSF
Other Sensitive or risk areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Are any existing servitudes and structures directly or indirectly affected by the proposed sites and routes (e.g. Eskom, public road servitudes and restrictions- 60m from National Road, farmer's water/irrigation supplies, etc.)? Yes  No

#### 3.2 Vegetation

Which of the listed descriptions best describes the general groundcover on and around the site?

Natural veld - good condition <input type="checkbox"/>	Natural veld with scattered aliens <input checked="" type="checkbox"/>	Natural veld with heavy alien infestation <input type="checkbox"/>	Veld dominated by alien species <input type="checkbox"/>	Gardens <input type="checkbox"/>
Sport field <input type="checkbox"/>	Cultivated land <input type="checkbox"/>	Paved surface <input type="checkbox"/>	Building structure <input checked="" type="checkbox"/> or other	Bare soil <input checked="" type="checkbox"/>

Comments on vegetation composition: Site is mostly grassland with scattered areas that are disturbed and degraded due to anthropogenic activities, such as clearing of vegetation, presence of alien and invasive plant species, and fragmentation due to the presence of the mining infrastructure such as existing TSFs and access roads. Existing TSFs located to the north of the site.

Comments on weed species/type: It appears that a small amount of alien and invasive plant species are present on site. The exact type and species will be confirmed during the EIA specialist study.

Land cover/ use description: Describe the land uses on the site

**TSF area**





Bare soils with scattered vegetation cover with limited alien infestation.

**4. General Comments and Recommendations**

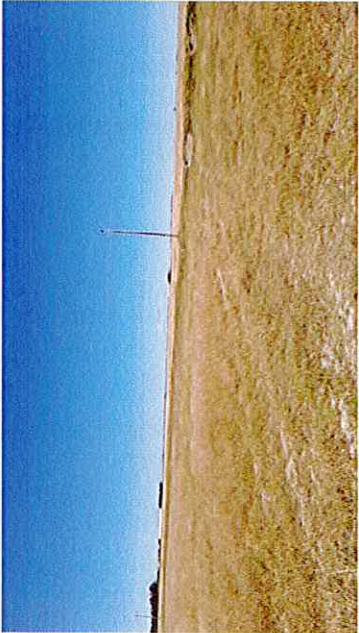

In general the site for the TSF appears to be of low ecological sensitivity due to its proximity to mining areas and disturbance and degradation to the site areas due to current mining activities. A small number of alien plants were noted in the area as well. No watercourses or wetlands were noted during the site inspection. No cultivated areas occur in the area proposed for the TSF.

Note: Two PV projects are located in very close proximity to the site (14/12/16/3/3/1/1471 and 14/12/16/3/3/1/1472)– these are both Harmony projects.

Site Photos

<p>Aspect: General TSF area</p>			
<p>Describe area and adjacent land use:</p>	<p>View north across site towards existing TSF along eastern access road. The only adjacent land use is mining. The vegetation could be described as natural vegetation and grassland with scattered aliens.</p>	<p>View northeast across site from southern access road. The only adjacent land use is mining. The vegetation could be described as natural vegetation and grassland with scattered aliens.</p>	<p>View east from central area of site. The only adjacent land use is mining. The vegetation could be described as natural vegetation and grassland with scattered aliens.</p>
<p>Aspect: General TSF area</p>			
<p>Describe area and adjacent</p>	<p>View south-east from center of site. The only adjacent land use is mining. The vegetation could be described as natural vegetation and grassland with scattered aliens.</p>	<p>View south across site from northern-most access road. The only adjacent land use is mining. The vegetation could be described as natural vegetation and grassland with scattered aliens.</p>	<p>View south-west from north of site. The only adjacent land use is mining. The vegetation could be described as natural vegetation and grassland with scattered aliens.</p>



land use:			
Aspect: General TSF area			
Describe area and adjacent land use:	View west across site from north-eastern access road. The only adjacent land use is mining. The vegetation could be described as natural vegetation with limited alien infestation.	View north-west across site from north-eastern access road. The only adjacent land use is mining. The vegetation could be described as natural vegetation with limited alien infestation.	



7. Verification findings and motivation:

Assessment for specialist studies and motivation:					
Screening Tool Specialist Study Required:	Level of Sensitivity:	Suggested Sensitivity:	Required Assessment level of		Motivation
Aquatic Biodiversity	Very High	Unknown	None.	<input type="checkbox"/>	A full aquatic assessment is being undertaken.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input checked="" type="checkbox"/>	
			Other	<input type="checkbox"/>	
Archaeological and Cultural Heritage	Low	Unknown	None.	<input type="checkbox"/>	A full HIA is being undertaken as part of the EIA.
			Compliance Statement	<input checked="" type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other	<input type="checkbox"/>	
Paleontology	High	Unknown	None.	<input type="checkbox"/>	A full PIA is being undertaken as part of the EIA.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input checked="" type="checkbox"/>	
			Other	<input type="checkbox"/>	
Terrestrial Biodiversity	Very High	Moderate - Low	None.	<input type="checkbox"/>	Full assessment will be undertaken as part of the EIA.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input checked="" type="checkbox"/>	
			Other	<input type="checkbox"/>	
Agriculture Theme	High	Low	None.	<input type="checkbox"/>	A soils assessment is being undertaken as part of the EA.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input checked="" type="checkbox"/>	
			Other	<input type="checkbox"/>	
Animal Species	High	Unknown	None.	<input checked="" type="checkbox"/>	This will be covered as part of terrestrial



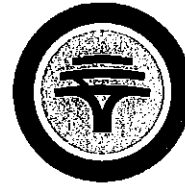


				ecology as part of the EIA.
		Compliance Statement	<input type="checkbox"/>	
		Full Assessment	<input checked="" type="checkbox"/>	
		Other		

**Guidance notes:**

- An applicant intending to undertake an activity identified in the scope of this protocol, on a site identified by the screening tool as being of “very high” or “high” sensitivity for terrestrial animal species must submit a Terrestrial Animal Species Specialist Assessment Report.
- An applicant intending to undertake an activity identified in the scope of this protocol on a site identified by the screening tool as being of “medium sensitivity” for terrestrial animal species must submit either a Terrestrial Animal Species Specialist Assessment Report or a Terrestrial Animal Species Compliance Statement, depending on the outcome of a site inspection undertaken in accordance with paragraph 4.
- An applicant intending to undertake an activity identified in the scope of this protocol on a site identified by the screening tool as being of “low” sensitivity for terrestrial animal species must submit a Terrestrial Animal Species Compliance Statement.
- Where the information gathered from the site sensitivity verification differs from the screening tool designation of “very high” or “high”, for terrestrial animal species sensitivity and it is found to be of a “low” sensitivity, then a Terrestrial Animal Species Compliance Statement must be submitted.
- Where the information gathered from the site sensitivity verification differs from the screening tool designation of “low” terrestrial animal species sensitivity and it is found to be of a “very high” or “high” terrestrial animal species sensitivity, a Terrestrial Animal Species Specialist Assessment must be conducted.
- If any part of the development falls within an area of confirmed “very high” or “high” sensitivity, the assessment and reporting requirements prescribed for the “very high” or “high” sensitivity, apply to the entire development footprint. Development footprint in the context of this protocol means, the area on which the proposed development will take place and includes the area that will be disturbed or impacted.

**Appendix 7 – POP**



**FNB**

## ***NOTIFICATION OF PAYMENT***

To Whom It May Concern:

First National Bank hereby confirms that the following payment instruction has been received:

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Date Actioned : 2023/06/08  
Time Actioned : 10:01:16  
Trace ID : 5YZ223TK

### **Payer Details**

Payment From : \*Environmental Impact M Ment Serv (pty)  
Cur/Amount : 15,000.00

### **Payee Details**

Recipient/Account No : .. 164233  
Name : Department of Minera  
Bank : ABSA BANK LIMITED  
Branch Code : 632005  
Reference : MR84\_Nooitgedacht

*END OF NOTIFICATION*

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To authenticate this Payment Notification, please visit the First National Bank website at [fnb.co.za](http://fnb.co.za), select the "Verify Payments" link and follow the on-screen instructions.

Our customer (the payer) has requested First National Bank Limited to send this notification of payment to you. Should you have any queries regarding the contents of this notice, please contact the payer. First National Bank Limited does not guarantee or warrant the accuracy and integrity of the information and data transmitted electronically and we accept no liability whatsoever for any loss, expense, claim or damage, whether direct, indirect or consequential, arising from the transmission of the information and data.

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