



# Environmental Audit Report for the Renewal of Mining License (ML) No. 213 and 214 on Okawayo Farm 46 in the Karibib District, Erongo Region.

Audit Period: September 2019 – December 2020

Author(s): <b>Ms. Althea Brandt</b> Reviewer: <b>Ms. Rose Mtuleni</b> Company: <b>Excel Dynamic Solutions (Pty) Ltd</b> Telephone: <b>+264 (0) 61 259 530</b> Fax2email: <b>+264 (0) 886 560 836</b> Email: <b>info@edsnamibia.com</b>	Client: <b>Africa Big Lion Mining (Pty) Ltd</b> Contact person: <b>Ben Xu</b> Telephone: <b>+264 81 659 1858</b> Postal Address: <b>P.O Box 3570, Windhoek, Namibia</b> Email: <b>ben@mingjie.es</b>
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## **1 INTRODUCTION**

### **1.1 Project Background**

This bi-annual audit report is prepared on behalf of Africa Big Lion Mining (Pty) Ltd (new Mining Licenses Owner), has been extracting dimension stones (Marble) on Mining License No 213 (previously owned by Mr Sydney Huberth Goagoseb) and Mining License No 214 (previously owned by Mr Samorna Brain Kangura Mudumbi) since mid-2019. The licenses are located northeast of Karibib Town in the Erongo Region, and the share boundaries. The report provides a summary of the environmental performance since the granting of the Environmental Clearance Certificate on 12 June 2019. The location of the Mining Licenses (ML 213 & 214) is shown in **Figure**

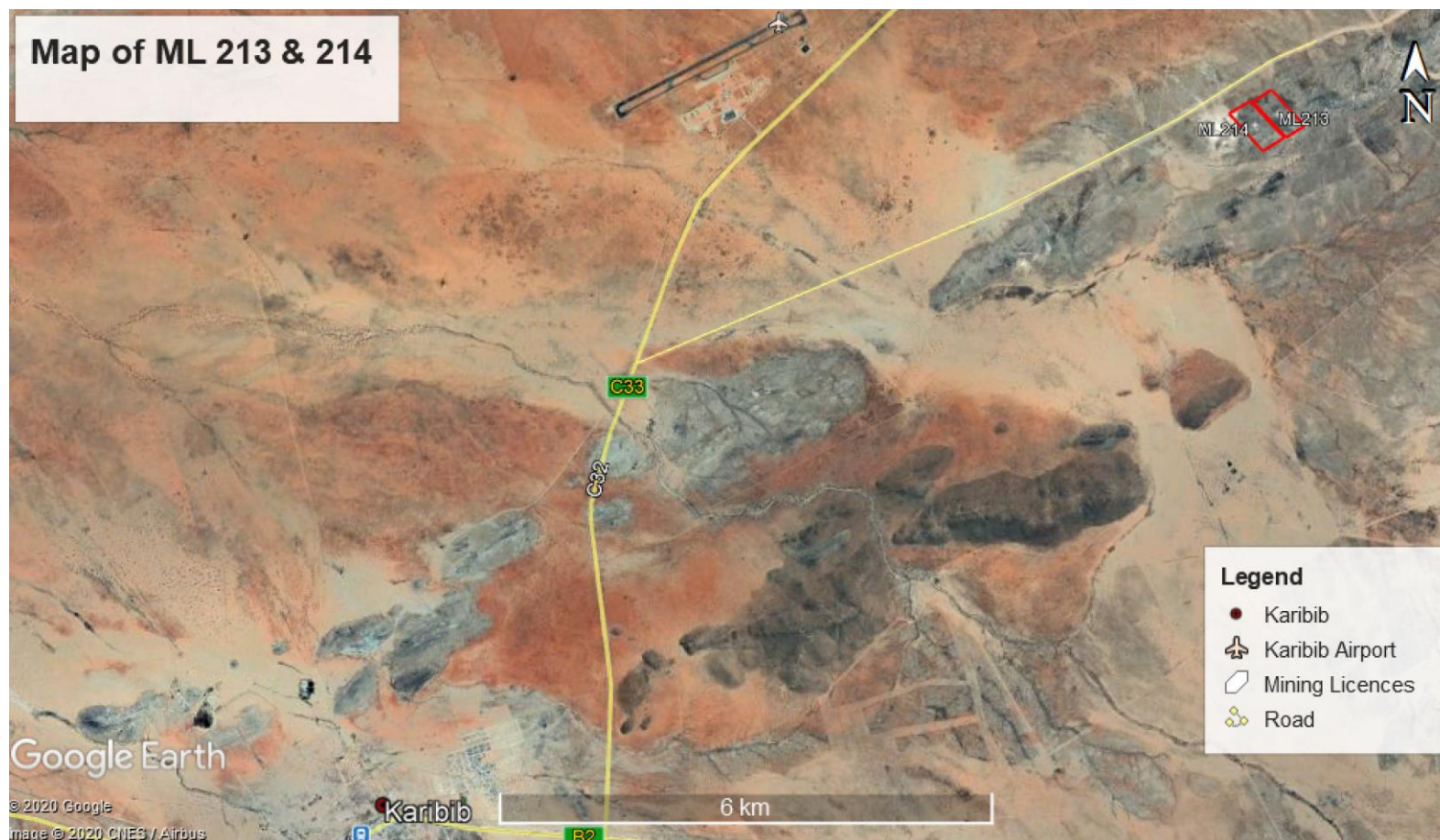


Figure 1: Location of the mining license ML 213 and 214 near Karibib Town, Erongo Region

## **1.2 Purpose of the Environmental Compliance (Audit) Report**

An Environmental Audit Report provides the link between the impacts identified in the EIA Process and the required environmental management on the ground during project implementation and operation, as assessed during compliance monitoring.

The compilation of this Environmental Audit Report was one of the requirements (scope of work) presented to Excel Dynamic Solutions (Pty) Ltd by the ML213 Owner, to ensure environmental compliance with reference to the Environmental Management Plan (EMP), which has been prepared as a legal requirement by Section 8 of the Environmental Management Act (EMA), No. 7 of 2007 and its 2012 Environmental Impact Assessment (EIA).

This Environmental Audit Report serves to document the progress made on the extracting works of ML 213 and 214. The phases of the renewal of the extraction of Marble activities are summarized below:

- **Operation and maintenance** – This is the phase during which the operation of Africa Big Lion Mining Pty Ltd is extracting Marble from the mining pit and undertaking related activities on site. It is also the phase during which maintenance of the mining pit, equipment and machinery is done by company and its contractors.
- **Environmental Monitoring Requirements** - In order to support and ensure that the proposed mitigation measures are achieving the desired results, a monitoring plan was implemented alongside the mitigation plan.
- **Decommissioning and Rehabilitation** – This is the phase during which the quality marble rocks will eventually run out at the site leading to the cessation of mining. The decommissioning of the mining operations may also be considered due to declining in the dimension stones prices (below profitable margins) and low demand. During the operational phase and before decommissioning, the Proponent will need to put site rehabilitation measures in place.

It is expected from Africa Big Lion Mining Pty Ltd and its employees and/or contractors in guiding them during the mining operations to ensure that impacts on the environment, are avoided or limited if they cannot be avoided completely.

### **1.3 Appointed Environmental Assessment Practitioner and Auditors**

The Proponent appointed EnvironClim Consulting Services CC in 2019s to conduct the required Environmental Assessment process and prepare a detailed Environmental Management Plan that can be used as guide to monitor compliance to the recommendations made in the EIA; and thereafter, submit the Environmental Clearance Certificate (ECC) application to the Ministry of Environment, Forestry and Tourism and Ministry of Mines and Energy on their behalf.

Excel Dynamic Solutions (Pty) Ltd has been appointed as the external Environmental Control Officer (ECO) and Auditor to ensure EMP compliance throughout the project life cycle, with the conditions of authorization, in performing environmental monitoring and auditing, in order to produce the subsequent bi-annual environmental compliance reports.

This document was compiled by Ms. Althea Brandt and Ms. Rose Mtuleni. The final document review is done by Mr. Nerson Tjelos.

### **1.4 Environmental Auditing**

The current baseline is expected to be reviewed and progress inspected according to the EMP and therefore a bi-annual compliance report is a requisite part of environmental monitoring. Extraction activity has commenced after obtaining the ECC for the conversion of Mining Claim 70385 into Mining Licence 213, resulting in the project area to be in an altered state. Site inspection is done as part of this submission.

### **1.5 Details of the Project Proponent**

The details of the Proponent are presented in **Table 1** below.

**Table 1: Proponent contact details and purpose of the ECC**

<b>Full name of Proponent</b>	<b>Physical Address &amp; Contact number</b>	<b>Postal Address</b>	<b>ECC granted for:</b>
Africa Big Lion Mining Pty Ltd	Okawayo Farm 46, Karibib, Karibib District Tell: +264 81 659 1858	P. O. Box 3570, Windhoek, Namibia	Conversion for conversion Mining Claim No 70385 into Mining License No 213 and Associated Activities on Okawayo Farm 46 northeast of Karibib Town in Karibib District in the Erongo Region

## 2 EMP ROLES AND RESPONSIBILITIES

As the ML holder, Africa Big Lion Mining Pty Ltd is ultimately responsible for the implementation of the EMP, and has delegated the responsibility for the effective implementation of the EMP to Excel Dynamic Solutions (Pty) Ltd.

### 2.1 Environmental Management Plan Actions and Audit

The aim of the management actions of the EMP is to avoid potential negative impacts where possible. Where impacts cannot be avoided, measures are provided to reduce the significance of these impacts. It is therefore important for the Proponent/Environmental Manager to be sure to adhere to the management actions.

Management actions recommended for the potential impacts rated in the EIA carried out for the prospecting and exploration activities were based on the three project phases listed below:

- Phase 1: Operation and Maintenance (surveys, drilling, quarrying, hauling...) (**Table 3**)
- Phase 2: Monitoring (**Table 4**)
- Phase 3: Decommissioning and Rehabilitation

The responsible persons at Africa Big Lion Mining Pty Ltd should assess these commitments in detail and should acknowledge their commitment to the specific management actions detailed in the phases given under the following subchapters. The compliance thereof are also measured in **Tables 3** and **4**.

### 2.2 Key Potential Environmental Impacts to be managed

From the EIA conducted, the following key potential negative impacts have been identified per project phase and are summarized in **Table 2** below.

**Table 2: Summary of key potential environmental impacts per project phase**

	Potential negative impacts identified in the EA
1	Health and safety, visual, waste, noise
2	The monitoring of mining operation impacts in remote locations can be problematic due to difficulties of access
3	Loss of employment by workers, and contribution to the national economy

### 2.3 Phase 1: Operation (and Maintenance) Phase Management Action Plans

The management action plans recommended for this phase are presented in **Table 3** below.

**Table 3: Management action plans for the Operation and Maintenance Phase and EMP Audit**

Environmental Feature	Management Actions	Observations	Compliance comment	Corrective Action/Recommendation
EMP training	<ul style="list-style-type: none"> <li>Employees appointed for operation and maintenance on respective site must ensure that all personnel are aware of necessary health, safety and environmental considerations applicable to their respective works.</li> </ul>	Employees have been made aware.	<b>COMPLIANT</b>	N/A
Monitoring	<ul style="list-style-type: none"> <li>The ECO or the Proponent should monitor the implementation of this EMP.</li> </ul>	Undertaken on a weekly bases.	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>An EMP non-compliance penalty system should be implemented on site.</li> </ul>	No penalty system in place.	<b>NON-COMPLIANT</b>	Implement a non-compliance penalty system based on the environmental features identified in this EMP Audit.



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Environmental Feature	Management Actions	Observations	Compliance comment	Corrective Action/Recommendation
Visual (sense of place)	<ul style="list-style-type: none"> <li>All the necessary options to improve the aesthetic of the site should be considered and incorporated in the mining activities.</li> </ul>	The site is kept tidy and shows consideration of the natural aesthetic of the site, particularly preservation of surrounding vegetation.	<b>COMPLIANT</b>	N/A
Biodiversity	<ul style="list-style-type: none"> <li>Vegetation found on the site, but not in the targeted mining areas should not be removed, but left to preserve biodiversity on the site.</li> </ul>	No vegetation has been removed from site.	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>Even if a certain shrub or tree is found along mining spots on sites, this does not mean that it should be removed. Therefore, care should be taken when extracting mineral species without destroying the vegetation.</li> </ul>	All staff are made aware	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>Workers should refrain from killing or snaring animals' species (big or small) that may be found on the site.</li> </ul>	All staff are made aware	<b>COMPLIANT</b>	N/A

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Environmental Feature	Management Actions	Observations	Compliance comment	Corrective Action/Recommendation
	<ul style="list-style-type: none"> <li>Environmental awareness on the importance of biodiversity preservation should be provided to the workers</li> </ul>	Not separately implemented, but addressed through the two measures above, on protection of animals and vegetation.	<b>COMPLIANT</b>	N/A
Employment	<ul style="list-style-type: none"> <li>Preference for workers during operational phase should be given to Karibib's locals.</li> </ul>	Local workers employed.	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>No recruitment should be done on site.</li> </ul>	All vacancies are sourced locally face to face. There is no recruitment on site as members of the public are not allowed anywhere near the mining area.	<b>COMPLIANT</b>	N/A
Air Quality	<ul style="list-style-type: none"> <li>Mining schedule should be limited to weekdays only and between 08h00 and 17h00. This will keep the vehicle-related dust level minimal in the area.</li> </ul>	These stated work hours are adhered to.	<b>COMPLIANT</b>	N/A

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Environmental Feature	Management Actions	Observations	Compliance comment	Corrective Action/Recommendation
	<ul style="list-style-type: none"> <li>Since the project site is in an area where, due to little vegetation cover, soils are exposed, it is highly probable that more dust will be generated from mining (excavating). It is therefore advisable that in extremely windy days, a reasonable amount of water should be used to suppress the dust that may be emanating from certain mining areas on the site.</li> </ul>	Water is kept on site for this purpose.	<b>COMPLIANT</b>	N/A
Waste Generation	<ul style="list-style-type: none"> <li>Workers should be sensitised to dispose of waste in a responsible manner and not to litter.</li> </ul>	Waste is collected and then removed from the site once a week, taken to the Karibib dump site.	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>After each daily works, the Proponent should ensure that there are no waste left at the mining pit and the work site.</li> </ul>	The mine manager inspects the site for waste after the workers have left.	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>All domestic and general operational waste produced on a daily basis should be contained until such that time it will be transported to designated waste sites.</li> </ul>	Waste is collected and contained on site until it can be disposed of.	<b>COMPLIANT</b>	The Proponent need to add containers to cater for different types of waste.

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Environmental Feature	Management Actions	Observations	Compliance comment	Corrective Action/Recommendation
	<ul style="list-style-type: none"> <li>No waste may be buried or burned on site or anywhere else.</li> </ul>	Waste is stored on site and removed for disposal once a week.	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>The mining site should be equipped with separate waste bins for hazardous and general waste/domestic.</li> </ul>	There is no hazardous waste used or generated on site.	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>A penalty system for irresponsible disposal of waste on site and anywhere in the area should be implemented.</li> </ul>	Workers have been notified of the precautions, however, no penalty system is in place yet.	<b>PARTIALLY COMPLIANT</b>	Implement a penalty system for irresponsible waste disposal on site and surrounding areas.
Health and Safety	<ul style="list-style-type: none"> <li>As part of their induction, the workers should be provided with an awareness training of the risks of mishandling equipment and materials on site.</li> </ul>	Implemented. Training is provided for all new recruits.	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>When working on site, employees should be properly equipped with personal protective equipment (PPE) such as coveralls, masks, gloves, safety boots, earplugs, safety glasses, etc.</li> </ul>	The required PPE is provided to workers.	<b>COMPLIANT</b>	N/A

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Environmental Feature	Management Actions	Observations	Compliance comment	Corrective Action/Recommendation
	<ul style="list-style-type: none"> <li>No employee should be allowed to drink alcohol prior to and during working hours as this may lead to mishandling of equipment which results into injuries and other health and safety risks.</li> </ul>	Regular inspection occurs on site.	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>Employees should not be allowed on site if under the influence of alcohol.</li> </ul>	Employees found under the influence of alcohol are sent home immediately and given a written warning.	<b>COMPLIANT</b>	N/A
Noise	<ul style="list-style-type: none"> <li>The mining operational times should be set such that, no activity is carried out during the night or very early in the mornings.</li> </ul>	No mining is undertaken at night. Employees arrive at the mine to begin work at 08:00 each morning on week days.	<b>COMPLIANT</b>	N/A

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Environmental Feature	Management Actions	Observations	Compliance comment	Corrective Action/Recommendation
	<ul style="list-style-type: none"> <li>Mining hours should be restricted to between 08h00 and 17h00 to avoid noise generated by mining equipment and the movement of vehicles before or after hours.</li> </ul>	<p>No mining is undertaken at night. Employees arrive at the mine to begin work at 08:00 each morning on week days.</p>	<p><b>COMPLIANT</b></p>	<p>N/A</p>
	<ul style="list-style-type: none"> <li>When operating the drilling and mining machinery onsite, workers should be equipped with personal protective equipment (PPE) such as earplugs to reduce noise exposure</li> </ul>	<p>Workers are provided with the correct PPE required.</p>	<p><b>COMPLIANT</b></p>	<p>N/A</p>
<p>Soils</p>	<ul style="list-style-type: none"> <li>Spill control preventative measures should be put in place to manage soil contamination, no matter how small the amount of pollution (spill) is.</li> </ul>	<p>There is no hazardous liquids/waste used on this site. Minor fuel/oil spills are attended to immediately.</p>	<p><b>COMPLIANT</b></p>	<p>N/A</p>
	<ul style="list-style-type: none"> <li>Site soils should not be disturbed, if not needed or related to the actual mining works.</li> </ul>	<p>Only the related site area is worked on.</p>	<p><b>COMPLIANT</b></p>	<p>N/A</p>
	<ul style="list-style-type: none"> <li>Overburden material should be handled more efficiently during mining operations to avoid erosion when subjected erosional processes.</li> </ul>	<p>Overburden material handled efficiently</p>	<p><b>COMPLIANT</b></p>	<p>N/A</p>

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Environmental Feature	Management Actions	Observations	Compliance comment	Corrective Action/Recommendation
	<ul style="list-style-type: none"> <li>Prevent the creation of huge piles of waste materials by performing sequential backfilling where possible</li> </ul>	Backfilling is undertaken.	<b>COMPLIANT</b>	N/A
Archaeology and cultural heritage	<ul style="list-style-type: none"> <li>Caution should be exercised when carrying out excavations associated with the mining activities in the event that archaeological/heritage remains are discovered.</li> </ul>	There are no archaeological sites in this area. The company is aware of action to take if any archaeological material is discovered on site.	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>The worksite/mining manager should familiarise themselves with the National Heritage Council's regulations</li> </ul>	No information on Heritage Council regulations available on site	<b>NON-COMPLIANT</b>	Information should be obtained from the Heritage Council for the employees to familiarize themselves with.
Communication	<ul style="list-style-type: none"> <li>The Proponent should appoint a Public Relation Officer (PRO) to liaise with the farmers/landowners.</li> </ul>	Mining site is only on one farm and good relations with the farm owner are maintained.	<b>COMPLIANT</b>	N/A

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Environmental Feature	Management Actions	Observations	Compliance comment	Corrective Action/Recommendation
	<ul style="list-style-type: none"> <li>The PRO should be introduced to the neighbors to the site and his or her contact details provided to them prior to undertaking activities for easy communication during the mining activities.</li> </ul>	N/A	N/A	N/A
	<ul style="list-style-type: none"> <li>The Proponent should compile a clear communication procedure/plan which should include a grievance mechanism for employees.</li> </ul>	No communication procedures and/grievance mechanism are in place	<b>NON-COMPLIANT</b>	Implement a communication procedure/grievance mechanism for human resources within the company.
HIV and AIDS (Other STIs) + COVID-19	<ul style="list-style-type: none"> <li>The workers should be engaged in health talks and training about the dangers of engaging in unprotected sexual relations which results in contracting HIV/AIDS and other sexual related infections.</li> </ul>	Does not occur yet.	<b>NON-COMPLIANT</b>	Brochures/pamphlets should be obtained from the local clinic for the employees.
	<ul style="list-style-type: none"> <li>Provision of condoms and sex education through distribution of pamphlets. These pamphlets can be obtained from local health facilities.</li> </ul>	Does not occur yet.	<b>NON-COMPLIANT</b>	Sex education Brochures/pamphlets and condoms should be obtained from the local clinic for the employees.



Environmental Feature	Management Actions	Observations	Compliance comment	Corrective Action/Recommendation
	<ul style="list-style-type: none"> <li>Observation of social distancing, provision of health education on the novel Coronavirus and regular distribution of masks and hand sanitizer on site.</li> </ul>	Observed.	<b>COMPLIANT</b>	N/A

## 2.4 Phase 2: Monitoring Phase Management Action Plans

In order to support and ensure that the mitigation measures are achieving the desired results, a monitoring plan must be implemented. The management action plans recommended for mining operations are presented in **Table 4** below.

Table 4: Management action plans for the Monitoring Phase and EMP Audit

Environmental Feature	Management Objectives	Actions/Monitoring	Frequency (Effective upon commencement of operations)	Observation	Compliance	Recommended Action
Soils	<ul style="list-style-type: none"> <li>All measures should be considered to prevent the loss of top soil.</li> </ul>		Weekly	Areas that are not part of the mining/extraction process area remain undisturbed.	<b>COMPLIANT</b>	N/A

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Environmental Feature	Management Objectives	Actions/Monitoring	Frequency (Effective upon commencement of operations)	Observation	Compliance	Recommended Action
Monitoring	<ul style="list-style-type: none"> <li>The ECO or the Proponent/Contractor should monitor the implementation of the EMP to ensure compliance.</li> </ul>		Daily	Regular monitoring (daily and weekly) occurs, and is audited bi-annually by consultant	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>The ECO(s) should inspect the site throughout the mining period and after completion.</li> </ul>		Daily	Environmental audits occur bi-annually and will continue until rehabilitation and closure phase of mine.	<b>COMPLIANT</b>	N/A
Biodiversity	<ul style="list-style-type: none"> <li>Clear only footprint areas to maintain as much of the remaining natural vegetation on site and to prevent loss of habitat outside areas of interest.</li> </ul>		Weekly	There is not much vegetation in the area.	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>No equipment should be left leaning on or on top of the site shrubs or trees during and after mining work.</li> </ul>		Weekly	No vegetation within the mining area.	<b>COMPLIANT</b>	N/A

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Environmental Feature	Management Objectives	Actions/Monitoring	Frequency (Effective upon commencement of operations)	Observation	Compliance	Recommended Action
Health and Safety	<ul style="list-style-type: none"> <li>Mining workers should be trained on how to handle materials and equipment on site (if they do not already know how to) in order to avoid injuries.</li> </ul>		Daily/Weekly	Training undertaken.	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>Mining equipment and materials transported to site should be securely fastened to the vehicles (trucks and cars). This is to ensure that the materials and equipment do not fall off the vehicles and cause injuries to anyone while transporting them.</li> </ul>		Daily/Weekly	Equipment is secured to the back of the mine vehicle securely when transporting to and from the mine.	<b>COMPLIANT</b>	N/A

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Environmental Feature	Management Objectives	Actions/Monitoring	Frequency (Effective upon commencement of operations)	Observation	Compliance	Recommended Action
	<ul style="list-style-type: none"> <li>The proponent and ECO/SHE Officer should ensure that all personnel are provided with appropriate personal protective equipment (PPE), such as gloves, masks, safety boots, safety glasses and hard hats at all times during mining (operation) hours on site to prevent serious injuries or loss of life.</li> </ul>		Daily/Weekly	Staff are provided with the required PPE for mining operations.	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>No employee should be allowed to drink alcohol prior to and during working hours as this may lead to mishandling of equipment which results into injuries and other health and safety risks.</li> </ul>		Daily/Weekly	Noted – Monitored regularly.	<b>COMPLIANT</b>	N/A

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<b>Environmental Feature</b>	<b>Management Objectives</b>	<b>Actions/Monitoring</b>	<b>Frequency (Effective upon commencement of operations)</b>	<b>Observation</b>	<b>Compliance</b>	<b>Recommended Action</b>
Neighbours to the site	<ul style="list-style-type: none"> <li>Mining works schedule should be limited to normal working hours, between 08h00 and 17h00. This is to ensure generated noise does not disturb residents during home hours.</li> </ul>		Weekly	The working hours are adhered to.	<b>COMPLIANT</b>	N/A
Waste	<ul style="list-style-type: none"> <li>The mining site should be kept tidy at all times.</li> </ul>		Daily	Any waste left by the workers is put into a drum on site.	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>All domestic and general construction waste produced on a daily basis should be cleaned and contained daily to prevent environmental pollution.</li> </ul>		Daily	Any waste left by the workers is put into a drum on site	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>Separate waste containers (bins) for hazardous and domestic / general waste must be provided on site to avoid mixing of waste.</li> </ul>		Daily	No hazardous waste is used or generated on site.	<b>COMPLIANT</b>	N/A

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Environmental Feature	Management Objectives	Actions/Monitoring	Frequency (Effective upon commencement of operations)	Observation	Compliance	Recommended Action
Transport	<ul style="list-style-type: none"> <li>Mining project workers will be transported, in an SUV/ bus (or similar suitable passenger vehicle) to and from site prevent inhaling of dust.</li> </ul>	Daily	Workers are transported in bakkies. However, the distance to Karibib town where they stay is short (less than 10km), and the driving speed does not exceed 80km/hr	<b>NON-COMPLIANT</b>	The Proponent must consider transportation alternatives that provide safety, and dust protection to workers	
Vehicular traffic safety	<ul style="list-style-type: none"> <li>All drivers of the project vehicles should be in possession of valid and appropriate driving licenses to operate such vehicles.</li> </ul>	Weekly	Copies of valid driving licenses are on file.	<b>COMPLIANT</b>	N/A	

**Africa Big Lion Mining (Pty) Ltd: EMP Audit Report for ML213 & 214**

Environmental Feature	Management Objectives	Actions/Monitoring Frequency (Effective upon commencement of operations)	Observation	Compliance	Recommended Action
	<ul style="list-style-type: none"> <li>Project vehicles should be in a road worthy condition and serviced regularly in order to avoid accidents as a result of mechanical faults of vehicles.</li> </ul>	Weekly	Service undertaken as and when needed.	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>Vehicles drivers should not be allowed to operate vehicles while under the influence of alcohol.</li> </ul>	Weekly	Monitored regularly.	<b>COMPLIANT</b>	N/A
	<ul style="list-style-type: none"> <li>No heavy trucks or project related vehicles should be parked next to the residents' properties or obstruct the local traffic in any way.</li> </ul>	Weekly	All mine vehicles and equipment are parked at the mining site and only used on site.	<b>COMPLIANT</b>	N/A

### 3 SUMMARY OF COMPLIANCE

This environmental audit has identified 35 management actions and 18 monitoring actions. After onsite observation, 6 out of the 35 management actions have been identified as **Non-compliant**, and one identified as **Partially Compliant**. 28 of the management actions were observed as **Compliant**. All 18 monitoring actions were identified as **Compliant**. Due to the large proportion of Compliant action recorded for the environmental audit, the general state of the ongoing Operations and Maintenance phase of the project is considered as **Compliant**. It is apparent that Africa Big Lion Mining Pty Ltd has been cautious and have paid attention to the environmental aspects and compliance of this project. There were no serious issues of Non-Compliance identified during this Environmental Audit.

This environmental audit has identified four Non-compliance issues, which have thus far had little to no significant negative effects to the mining operations, the employees and the environment; and are, therefore, regarded as minor non-compliances. The non-compliance issues identified are:

1. There is no penalty system for waste disposal and general EMP non-compliance in place
2. There is no information and/or awareness on regulations of the National Heritage Council regarding protection of archeological material.
3. There are no communication procedures and grievance mechanisms in place for employees.
4. There are no health and sex education engagements for the employees on site.
5. There are no waste bins to collect different types of waste (i.e., different colours for recycling purpose)

### 4 CONCLUSION AND RECOMMENDATIONS

The minor non-compliances identified in this biannual environmental audit report need immediate corrective action in order for the mining operations of Africa Big Lion Mining Pty Ltd to reach a 100% Compliance rate. Recommendations for corrective action are as follows:

- Implement a penalty system for EMP Compliance to enforce accountability towards environmental management within mining operations
- Obtain information from the National Heritage Council to familiarize employees with procedures and action to take in the case of discovery of archeological material on site.



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- Implement a communication procedure/grievance mechanism for human resources within the company.
- Informative COVID-19 and Sex education Brochures/pamphlets should be created or sourced for health awareness amongst employees. Condoms and protective facial masks should be obtained from the local clinic for the employees.
- Procure different coloured waste bins and make sure they are labeled e.g., organic, papers, mixed etc.

The potential positive and negative impacts stemming from the mining activities were identified, assessed and mitigation measures made thereof. Mitigation measures need to be adhered to at all times. Most importantly, monitoring of the environmental components described in the Environmental Management Plan should be conducted by the Proponent and an appointed Environmental Health Officer or any applicable Competent Authority.

The next site inspection will be undertaken in **March 2021**, and a resultant biannual report will be produced thereafter.

## 5 PHOTOS



Figure 2: A waste container at a waste collection site on the mine



Figure 3: Undisturbed vegetation on the site



Figure 4: The mine workers wearing Personal Protective Equipment



Figure 5: Figure 5: Security gate and security guard room



Figure 6: Speed limit (20km/h) sign mounted on the mine area fence



Figure 7: Store room, emergency contact details, and firefighting equipment



Figure 8: Water tanks and diesel-powered generator