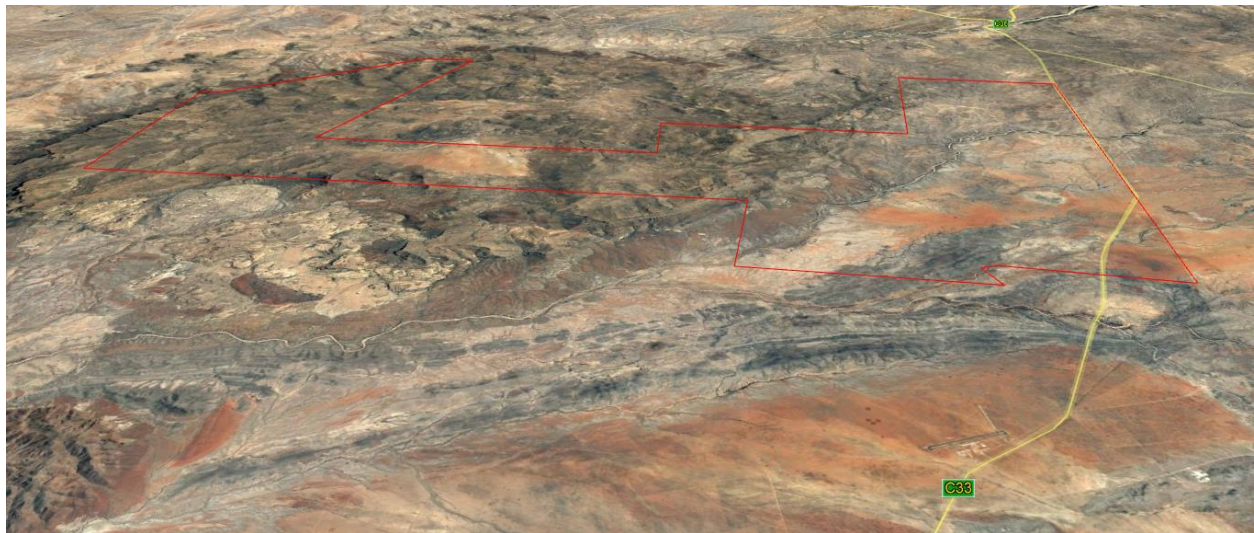


Appendix – C Environmental Management Plan

SCOPING REPORT WITH ASSESSMENT FOR ERONGO GOLD PROSPECTING WITHIN EPL 6440, ERONGO REGION

Environmental Management Plan

APPENDIX C



February 2020

Prepared by:
Philip Hooks

Appendix – C Environmental Management Plan

1 ENVIRONMENTAL MANAGEMENT PLAN

The management of Gecko Gold Mining is conscious of the company's special operating conditions. Therefore, management will emphasize to all staff to be aware of the DOs and DON'Ts in this operational and living situation. The Environmental Management Plan provides an overview of the mitigation and monitoring measures for the planned exploration.

Limited impact is foreseen from the envisaged exploration programme. All steps and exploration measures will be communicated and agreed upon with the Department of Environmental Affairs. All pits and trenches as well as borehole sites will be adequately rehabilitated.

All personnel involved in the exploration activities will undergo an environmental awareness training prior to prospecting on the ground together with tuition on safety and health issues.

2 REPORTING AND MONITORING

Monitoring of the environmental issues concerned should take place throughout the period of the operations. Gecko would like to have a site visit by the Department of Environmental Affairs (DEA) to take place shortly after the formulation of the environmental contract to ensure that all the information supplied in the assessment paper are correct and that all the proposed mitigation measures are being complied with and no substantial impact on the environment is occurring. Once the operations are established at full scale, further the evaluation should be conducted by DEA in order to consider the measures applied and their efficiency for impact mitigation. Any problems or faults must be brought to the attention of the management team of Gecko Gold Mining in order to discuss ways to improve the systems in place. Follow-up site visits on a six-month or annual basis are deemed sufficient to deduce whether the measures are effective or not.

Appendix – C Environmental Management Plan

APPENDIX C: DRAFT ENVIRONMENTAL MANAGEMENT PLAN FOR GECKO GOLD MINING (PTY) LTD WITHIN EPL 6440

The Environmental Management Plan (EMP) describes the processes that Gecko Gold Mining (Pty) Ltd will follow to maximize compliance and minimize harm to the environment. This plan will also help to map out progress towards achieving continual improvements.

The main objectives of the Environmental Management Plan are to:

- Minimize adverse impacts on the environment;
- Protect the environmental quality of the site;
- Meet the requirements of all national and local legislations;
- Provide detailed specifications for the management and mitigation of activities that have the potential to impact negatively on the environment.
- To set out the roles and responsibilities of all role-players with regard to environmental management;
- To specify rehabilitation requirements;
- To establish monitoring requirements to ensure that all staff members on site comply with the Environmental Specifications. One of the senior geological team members on site should be designated to perform this function on a day-to-day basis.

The company will emphasize that all staff are aware of the DOs and DON'Ts applicable to this project and its location.

Table 13: Draft summary of Environmental Management Plan

Environmental Impacts	Mitigation Measures	Monitoring / Action & Methods	Responsibilities	Resources required for Implementation
Ecology	<ul style="list-style-type: none"> ➤ No killing of animals ➤ Avoid nesting birds ➤ Where possible no destruction of plants ➤ Avoid highly sensitive environments or minimise footprint in high priority 	<ul style="list-style-type: none"> ➤ Awareness training regarding the sensitive nature of the EMRST must be provided to all staff. ➤ The poaching of critically endangered species such as the black 	Site manager, HSE Officer, team leaders, all workers	<ul style="list-style-type: none"> ➤ Taxa checklists and mapped conservation areas. ➤ Permits for bush clearing for roads and drill pads.

Appendix – C Environmental Management Plan

	<p>areas</p> <ul style="list-style-type: none"> ➤ Keep to existing tracks (vehicular, animal) ➤ All waste and scrap to be removed ➤ Rehabilitate sites by gently raking disturbed soil substrate to remove evidence of heavy vehicles. 	<p>rhino is prohibited. The presence of drilling personnel within the EMRST cannot in anyway jeopardise the security measures taken to safeguard the population of the rhinos within the EMRST. – background checks with the Namibian Police for personnel is recommended</p> <ul style="list-style-type: none"> ➤ Photograph before and after exploration activities. 		
Dust & Noise	<ul style="list-style-type: none"> ➤ Dust suppression techniques if necessary (drive slowly) ➤ PPE to reduce noise ➤ Maintenance of machinery to reduce noise 	<ul style="list-style-type: none"> ➤ Report on health of personnel ➤ Scheduled maintenance reported 	Site manager	Equipment (incl. PPE) and Tools
Water consumption	<ul style="list-style-type: none"> ➤ Minimize use and loss ➤ Check container piping and taps regularly for leakage 	<ul style="list-style-type: none"> ➤ Awareness training ➤ Periodic inspections by superiors ➤ Monitor expenses 	All workforce and management	Abstraction permit if necessary
Land Use	<ul style="list-style-type: none"> ➤ Awareness of proximity to major tourist attraction of the country ➤ Minimize visual blemish ➤ Kindliness of the workers ➤ Avoid conflict with tourism sector 	<ul style="list-style-type: none"> ➤ Awareness training ➤ Periodic inspections by superiors 	All workforce and management	Funds to conduct a cleaning up program in the area (rehabilitation)
Waste	<ul style="list-style-type: none"> ➤ Removal of litter ➤ Careful use and storage of chemicals ➤ Oil adsorbing materials available in workshop and all vehicles at all times 	<ul style="list-style-type: none"> ➤ Awareness training ➤ Periodic inspections by superiors ➤ Implementation of cleaning up program 	All workforce and management	Funds set up and implement training courses Funds to conduct a cleaning up program in the area

Appendix – C Environmental Management Plan

Fuel storage and potential pollution	<ul style="list-style-type: none"> ➤ Temporary fuel storage facility erected on site shall comply with specification for storage and handling of petroleum products; ➤ Tanks shall be placed on a concrete slab, allowing sumps for containment of spillage 	<ul style="list-style-type: none"> ➤ Awareness training ➤ Periodic inspections by superiors 	Site manager	Gecko will provide for safe fuel storage and handling at an approved maintenance site. Temporary customer installation certificate from MME
Workers conduct	<ul style="list-style-type: none"> ➤ Training ➤ Fines/penalties for lack of compliance 	<ul style="list-style-type: none"> ➤ Constant monitoring to ensure compliance 	Team leaders and workers foreman	Training manual and time set aside for training Procedures Manual for drilling.
Health & Safety	<ul style="list-style-type: none"> ➤ Follow procedures ➤ Wear correct PPE 	<ul style="list-style-type: none"> ➤ HSE officer to check that procedures are followed ➤ Compliancy reports submitted 	HSE Officer & site manager	Emergency Response Plans, First Aid kits and first aid trained personnel.