ENVIRONMENTAL COMPLIANCE REPORT FOR EXPLORATION ACTIVITIES ON EPL 2229, LÜDERITZ DISTRICT, ROSH PINAH, //KARAS REGION, NAMIBIA

RENEWAL ENVIRONMENTAL CLEARANCE CERTIFICATE

February 2021
TITLE AND APPROVAL PAGE

Project Name: Environmental Compliance Report for the exploration activities on EPL 2229, in the Lüderitz district, Rosh Pinah, //Karas Region, Namibia.

Project Number: ECC-99-330-REP-06-D

Client Name: Skorpion Mining Company (Pty) Ltd

Ministry Reference:

Status of Report: Final for Government submission

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DEFINITIONS AND ABBREVIATIONS

ECC  Environmental Compliance Consultancy
ECO  Environmental Control Officer
EMA  Environmental Management Act
EMP  Environmental Management Plan
EPL  Exclusive Prospecting Licence
MEFT Ministry of Environment, Forestry and Tourism
1 INTRODUCTION

1.1 PROJECT INTRODUCTION

Skorpion Mining Company (Pty) Ltd (herein referred to as the proponent or Skorpion Zinc (Namzinc)), Skorpion Zinc came into production in 2003, and was acquired from Anglo American by VZI in 2010/2011. The Skorpion Zinc Mine is located 25km north of the town of Rosh Pinah, in the //Karas Region of southern Namibia. Skorpion Zinc Mine currently mines zinc oxide at an open pit about 187 m below the mean ground level. Some areas of the open pit where the large concentrate of the deposit sit are surrounded by underground water, which need to be pumped out for mining to take place. The mine plans to expand its operations in the near future and would like to explore the availability of zinc oxide at Exclusive Prospecting Licence (EPL) 2229 located in the southern part of the mine area.

The proponent proposes to carry out exploration activities on EPL 2229 for base and rare metals and precious metals. EPL 2229 occurs in the Lüderitz Magisterial District of the Karas Region, Namibia. The site lies inside the eastern boundary of the restricted area, known as the Diamond Area No. 1, which is also referred to as the Sperrgebiet. The prospect area is located approximately 80km north-east of Orangemund and 20 km north west of Rosh Pinah (Figure 1.)

A revised Environmental Management Plan (EMP) report was compiled by G & K Environmental Consultants in August 2016, to support the renewal application for an environmental clearance certificate for the exploration activities on EPL 2229, within which the Skorpion Zinc Mining Licence (ML 108) is located. The environmental clearance certificate for the exploration activities on EPL 2229 was valid for a period of three (3) years as was issued by the Environmental Commissioner on 26th of September 2016 (Appendix B).

In terms of the Environmental Management Act. No. 7 of 2007 a renewal application for the project’s environmental compliance certificate is required. As part of this application an environmental compliance review of the works undertaken on site and compliance with the Environmental Management Plan (EMP) is to be submitted to the Ministry of Environment, Forestry and Tourism (MEFT).

DISCLAIMER

This report has been compiled by means of a desktop study, including the revision of relevant reports and all records made available by the proponent. ECC did not conduct any field verification and therefore rely on the proponent’s integrity to uphold conditions specified in the EMP.
FIGURE 1 – LOCALITY MAP OF EPL 2229
1.2 THE PROponent OF THE PROJECT

The details of the proponent are set out in Table 1.

<table>
<thead>
<tr>
<th>CONTACT</th>
<th>POSTAL ADDRESS</th>
<th>EMAIL ADDRESS</th>
<th>TELEPHONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKORPION MINING COMPANY (PTY) LTD</td>
<td>Private Bag 2003, Rosh Pinah, Namibia</td>
<td><a href="mailto:AJohnson@vendataresources.co.za">AJohnson@vendataresources.co.za</a></td>
<td>+27 767582405</td>
</tr>
<tr>
<td>Mr. Alan Johnson</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1.3 ENVIRONMENTAL CONSULTANCY

ECC, a Namibian consultancy registration number CC/2013/11401, has prepared this document on behalf of the proponent. ECC operates exclusively in the environmental, social, health and safety fields for clients across Southern Africa in the public and private sector. The curriculum vitae’s of the authors of this report are contained in Appendix B. ECC is independent of the proponent and has no vested or financial interested in the proposed project except for fair remuneration for professional services rendered.

All compliance and regulatory requirements regarding this document should be forwarded by email or posted to the following address:

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1.4 PURPOSE OF REPORT

Environmental Compliance Consultancy (ECC) has been appointed by the proponent to apply for their renewal of an environmental clearance certificate for the exploration activities on EPL 2229 for base and rare metals and precious metals situated at the Skorpion Zinc Mine, Rosh Pinah, //Karas Region, Namibia. The purpose of this environmental compliance report is to document the findings of an environmental compliance audit covering the period since the approval of the renewal environmental clearance licence from the 26 September 2016 to 26 September 2019, which will be, submitted as part of the new renewal application.
2 BACKGROUND OF THE PROJECT

The Skorpion Zinc Mine and Refinery is a green field development, situated about 25 km north of Rosh Pinah town, in Southern Namibia. It is the 8th largest zinc mine in the world producing Special High Grade (SHG) zinc of 99.995% purity. Mining activities at the current ML 108 have a limited lifespan and thus the mine is proposing to expand its exploration and hopefully extend their mining activities to EPL 2229 in the near future.

This document is subjected to periodical auditing as the project activities transition from the earliest exploration stage to the operation stage. The EMP is audited in order to monitor the progress of the project and ensure that all measures stipulated in the document are met and effectively adhered to as required by the Department of Environmental Affairs and Forestry (DEAF). In an event where the project activities alter, the EMP is required to be amended accordingly.

EPL 2229 falls within an ecologically sensitive area of the Namibian desert called the Sperrgebiet National Park. It is imperative that through studies are carried out to ascertain the biophysical condition of the area prior to the exploration or mining activities.

As per the EIA Regulations and Environmental Management Act No. 7 of 2007, exploration activities on EPL 2229 cannot be undertaken without an environmental clearance certificate. The exploration activities at EPL 2229 proposes to assess the amount of Zinc Oxide and other minerals resources that can be found in the EPL 2229 area. The proposed method for exploration would have minimal impact as it will be done on small scale and rehabilitation of the natural vegetation will be done as per the Environmental Management Plan (EMP).
3 ENVIRONMENTAL COMPLIANCE AUDIT

3.1 SITE INSPECTION

Environmental Compliance Consultancy (ECC) has not undertaken a site inspection for this project. This report was conducted through a series of desktop assessments, revision of relevant reports, and verification of owner documentation, and all records made available to ECC. The findings of this inspection are included in Table 2.

3.2 ANNUAL COMPLIANCE AUDIT

During the licence period (2016-2019) there were no significant exploration activities carried out on the EPL. The EMP compiled by G & K Environmental Consultants in August 2016, set of feasible and cost-effective mitigation, monitoring and institutional measures to avoid adverse environmental and social impacts, reduce them to acceptable levels or to compensate for them. Furthermore, the EMP covers all adverse environmental impacts, including any that may result from the exploration activities at EPL 2229. The EMP will provide the technical details for each mitigation, monitoring and institutional measure, including the impact(s) to which it relates and the conditions when it is required, together with designs, equipment descriptions and operating procedures in compliance with the approved EMP granted in terms of the Environmental Management Act, No. 7 of 2007.

In addition to the compliance audit, the EMP will be revised to identify gaps in order to recommend additional best practice measures that were not captured in the previous EMP.

3.3 COMPLIANCE AUDIT FINDINGS

The section outlines the findings of the environmental audit completed for the project. It addresses obligations in terms of the key acts that govern the activities on the site, the commitments made in the EMP, and presents the findings and recommended corrective actions where applicable (Table 2 - 3).

The EMP:

- identifies all mineral exploration activities that could cause environmental damage (risks) and provides a summary of actions required;
- identifies institutions responsible for ensuring compliance with the EMP and provides their contact information;
- provides standard procedures to avoid, minimise and mitigate the identified negative environmental impacts and to enhance the positive impact of the proposed activities on the environment;
- provides for site and exploration rules and actions required;
- forms a written record of procedures, responsibilities, requirements and rules for
contractor/s, their staff and any other person who must comply with the EMP;
- provides a monitoring and auditing programme to track and record compliance and identify and respond to any potential or actual negative environmental impacts, and
- Provides a monitoring programme to record any mitigation measures that are implemented.
# TABLE 2 - EXPLORATION ACTIVITIES COMPLIANCE TABLE

<table>
<thead>
<tr>
<th>ASPECT</th>
<th>MANAGEMENT OBJECTIVES</th>
<th>MANAGEMENT ACTIONS</th>
<th>COMPLIANCE</th>
<th>COMMENTS OR RECOMMENDATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biotic Environment</td>
<td>Impact to ecological resources would be minimal and localized during exploration because of the limited nature of activities. Introduction of fauna and flora through the introduction of seeds and fauna through the movement of people and vehicles.</td>
<td>- The proponent shall take adequate steps to educate all members of his workforce as well as his supervisory staff on the relevant environmental laws and protection requirements. - The proponent shall appoint a suitably qualified independent Environmental Control Officer (ECO). - The proponent shall construct and/or implement all the necessary environmental protection measures in each area before exploration work may proceed.</td>
<td>Compliant</td>
<td>All activities were undertaken in accordance with the EMP.</td>
</tr>
<tr>
<td>Environmental awareness</td>
<td>To ensure that all employees and Sub-Contractors are informed of their environmental obligations.</td>
<td>- The Environmental, Health, and Safety Induction Course should be conducted by the ECO and appointed Health and Safety officer. - The site manager responsible will provide feedback to his staff on their day-to-day environmental performance and address issues requiring attention and specific actions required.</td>
<td>Compliant</td>
<td>Transfer of skills by induction course. Communication with the staff and sub-contractors to be conducted in accordance with the EMP.</td>
</tr>
<tr>
<td>Safety to the public</td>
<td>To reduce the risks posed by the project to the public.</td>
<td>- Where the public could be exposed to danger by any of the exploration or site activities, the project manager shall provide flagmen, barriers, and/or warning signs in English.</td>
<td>Compliant</td>
<td>No evidence of non-compliance.</td>
</tr>
<tr>
<td>ASPECT</td>
<td>MANAGEMENT OBJECTIVES</td>
<td>MANAGEMENT ACTIONS</td>
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</table>
| Human resource and opportunities management | Preliminary assessment indicated activities conducted during exploration phase are temporary and limited in scope, they would not result in significant socioeconomic impacts on employment, local services or property values. Exploration activities shall be restricted to specified hours in order to limit disturbance to the public. | - No firearms shall be permitted on site without the prior approval of the Project Manager.  
- The project manager shall implement appropriate measures to limit any adverse social impacts associated with the establishment of a exploration camp and/or the accommodation of contractors workforce on the local communities.  
- In order to enhance the benefits of employment creation for these communities, it is recommended that the Project manager shall establish a formal and organized recruitment process in line with this EMP. Ensure that local people are employed for semi-skilled labour where possible during exploration and after the mining activities commerce.  
- The project manager shall restrict activities to the hours of 6h30 - 17h00 during summer and 07h00 - 17h00 during winter on Mondays to Saturdays and no work will be permitted on Sundays or public holidays.  
- Activities were undertaken in accordance with the EMP. | Compliant | - Compliant |


### Dust

**Impact:** Dust impacts on air quality during exploration activities such as emissions and dust from earth moving equipment, vehicles, geophysical surveys, bore hole completion and testing and drill rig exhaust.

**Management Objective:**
- Dust suppression method should be done to minimise any dust emission from exploration activities.
- Exploration vehicles to only use designated roads;
- During high wind conditions the site manager must make the decision to cease activities until the wind has calmed down; and
- Cover any stockpiles with a suitable material, such as plastic or shade cloth, to minimize windblown dust.

**Compliance:** Compliant

**Comments/Recommendations:** Activities were undertaken in accordance with the EMP.

### Noise

**Impact:** Acoustics or noise associated with exploration from earth-moving equipment, vehicle traffic, geophysical surveys and drill rig operations.

**Management Objective:**
- Install and maintain silencers on machinery
- Appropriate directional and intensity settings are to be maintained on all hooters and sirens
- No amplified sound shall be allowed on site other than in emergency situations
- Noise pollution during exploration would be minimal. However, if deemed necessary, employees working on the exploration should exercise maximum care to avoid disruption

**Compliance:** Compliant

**Comments/Recommendations:** Activities were undertaken in accordance with the EMP.
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Visual Impacts</td>
<td>Visual impacts could be adverse if the landscape were substantially degraded or modified. However, exploration activities would have only temporary and minor visual effects, resulting from the presence of drills rigs, workers, vehicles and other equipment</td>
<td>Ensure effective and formal communication between the Project Management Team and the project manager on exploration issues throughout all stages of the project</td>
<td></td>
<td>No evidence of non-compliance</td>
</tr>
<tr>
<td>Impacts on soil and vegetation</td>
<td>Uncontrolled off-road driving may have an impacts on the grasses and succulents that are found on the soils in the project area that stabilizes the surface and protect the underlying soil from erosion. Disturbance of organic and inorganic protective layers can lead to increased wind and water erosion, reduced infiltration rates, reduced soil moisture content and inhabitation of plant germination.</td>
<td>The exploration team should guide the vehicles for exploration on which route should be used. Off-road driving should be limited to specific areas and rehabilitation where possible should be done after the exploration activities.</td>
<td></td>
<td>No evidence of non-compliance</td>
</tr>
<tr>
<td>ASPECT</td>
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</table>
| Health and Safety      | Potential impacts on human health and safety resulting from exploration activities such as occupational accidents and injuries, vehicle accidents, exposure to weather extremes, wildlife encounters, trips and falls on uneven terrain, adverse health effects from dust generation and emissions and contact hazardous materials | - All employees working on exploration should be inducted on human health and safety and should be provided with PPE  
- Health and safety training and procedures should be provided by the health and safety team                                                                 | Compliant  | - Activities were undertaken in accordance with the EMP. |
| Site demarcation       | The site manager shall restrict all his activities, materials, equipment and personnel to the designated Site.  
- Loss of biological crusts can substantially increase water and wind erosion. However, the amount of surface disturbance and use of geologic materials during exploration would be minimal. | - The site manager shall ensure that the clearance of vegetation is restricted only to that required to facilitate the execution of the works.  
- Exploration activity needs to be conducted in such way that disturbance to surface materials is minimized.                                 | Compliant  | - Activities were undertaken in accordance with the EMP. |
## ASPECT

<table>
<thead>
<tr>
<th>MANAGEMENT OBJECTIVES</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Access, traffic and haul roads</strong></td>
<td>Access traffic shall be controlled to ensure minimal disruption to normal road users.</td>
<td>- The contractor shall be held responsible for the control of all project related traffic, including that of his suppliers, in ensuring that vehicles associated with the project remain on designated routes and within the designated working times.</td>
<td>Compliant</td>
</tr>
<tr>
<td><strong>Solid waste management</strong></td>
<td>Geophysical and exploratory drill crews may generate waste i.e. drilling fluid and muds, used oil and filters, spilled fuel, drill cuttings, spent and unused solvents, scrap metal, solid waste and garbage</td>
<td>- Ensure that there is no illegal disposal of waste. - Ensure that waste generated during the exploration on site is disposed of at an appropriate site. - The contractor shall provide sufficient number of rubbish bins with secured lids. - No waste materials, including domestic, organic or exploration wastes shall be burnt, dumped or buried on the site.</td>
<td>Compliant</td>
</tr>
<tr>
<td><strong>Fuel and oil</strong></td>
<td>To ensure that all liquid fuels are stored appropriately, and adequate firefighting equipment is stored on site.</td>
<td>- The project manager shall ensure that all liquid fuels are stored in tanks or mobile bowsers with lids that are kept firmly shut. - All tanks and/or mobile bowsers shall be situated in a bunded area. - The project manager shall ensure that there is adequate fire-fighting equipment at the fuel storage areas.</td>
<td>Compliant</td>
</tr>
<tr>
<td>ASPECT</td>
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</tbody>
</table>
| Equipment maintenance and storage | All vehicles and equipment are kept in good working order.                             | - Leaking or damaged equipment shall be repaired immediately or removed from the site.  
- Drip trays shall be provided at designated areas.                              | Compliant  | Activities were undertaken in accordance with the EMP.                                    |
| Materials handling, use and storage | All delivery drivers are informed of the on-site procedures and restrictions.    | - The site manager shall ensure that any delivery drivers are informed of all procedures and restrictions, including “no-go” areas and designated haul routes.  
- All material shall be stored within the designated Site boundaries.   | Compliant  | All management actions and have been adhered to as practically possible.                   |
| Hazardous substances            | Any hazardous substances are stored appropriately.                                    | - Hazardous chemical substances used during exploration activities shall be stored in secondary containers.  
- The relevant Material Safety Data Sheets (MSDS) shall be available on site.  | Compliant  | All management actions have been adhered to as practically possible in accordance with the EMP. |
<p>| Trenching                       | Trenches are appropriately demarcated and secured.                                    | - Trenches shall be demarcated appropriately and securely and regularly monitored to ensure that pedestrian (and vehicular) access to these areas is strictly prohibited. | Compliant  | Activities were undertaken in accordance with the EMP.                                    |</p>
<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
<td>Fire control</td>
<td>To reduce the risk of fires</td>
<td>- Fires are only permitted in designated area and shall not be left unattended.</td>
<td></td>
<td>All actions and mitigation measures have been adhered to as practically possible in accordance with the EMP.</td>
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<td>- Fire extinguishers shall be readily available.</td>
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<tr>
<td>Emergency procedures</td>
<td>All employees are aware of emergency procedures.</td>
<td>- The site manager shall ensure that his employees are aware of the procedure to be followed for dealing with leaks and spills.</td>
<td></td>
<td>Activities were undertaken in accordance with the EMP.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- The site manager shall ensure that the necessary materials and equipment for mitigating leaks and spill incidents are available on site at all times.</td>
<td></td>
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<tr>
<td>Erosion, water quality, and Surface water management</td>
<td>Minimal impact to water resources (water quality, water flows and surface/groundwater interactions) would be anticipated from the exploration activities.</td>
<td>- The project manager shall take all reasonable steps to prevent or remediate damage to the environment resulting from the exploration activities in the form of erosion and sedimentation.</td>
<td></td>
<td>All management actions have been adhered to as practically possible in accordance with the EMP.</td>
</tr>
<tr>
<td></td>
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<td>- The project manager shall immediately remedy any situation that is or has the potential to result in soil erosion, water pollution and sedimentation.</td>
<td></td>
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<td></td>
<td>- Surface water should be managed appropriately and all water released.</td>
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<tr>
<td>ASPECT</td>
<td>MANAGEMENT OBJECTIVES</td>
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</tbody>
</table>
| horizons. This provide good buffering capacity and any acidic pollution will soon be neutralized. | into the environment should adhere to environmental specification.  
- Where excessive spillage occurred, it should be cleaned up and dumped at an appropriate waste area.  
- The Environmental Team should guide the exploration team on where hazardous waste should be disposed of. | Compliant | No evidence of non-compliance. |
| Wildlife | Temporary and localized impact to land use would result from exploration activities such as disturbance to wildlife  
- Illegal entry to the Sperrgebiet and hunting, poaching and illegal reptile collection were cited as the major concern of the public and authorities.  
- Bees and their possible effect on health and safety were raised as one of the concerns. | Exploration activity needs to be conducted in such way that disturbance to wildlife is minimized  
- The exploration team should be inducted on Parks rules and that no one is allowed to hunt, poach or collect any illegal reptiles etc.  
- Where beehives are found, appropriate personnel (i.e. MET) should be notified as soon as possible.  
- The Environmental Team should provide guidelines / Park Rules to the Exploration team involved | Compliant |  |
<table>
<thead>
<tr>
<th>ASPECT</th>
<th>MANAGEMENT OBJECTIVES</th>
<th>MANAGEMENT ACTIONS</th>
<th>COMPLIANCE</th>
<th>COMMENTS OR RECOMMENDATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protection of natural systems, archaeological sites and Paleontological resources.</td>
<td>- Impacts to natural systems are kept to a minimum.</td>
<td>- Disturbance of vegetation and faunal communities and their habitats is kept to a minimum.</td>
<td></td>
<td>All management actions have been adhered to as practically possible in accordance with the EMP.</td>
</tr>
<tr>
<td></td>
<td>- Paleontological resources could be disturbed by vehicular traffic, ground clearing and pedestrian vehicle activities</td>
<td>- Heavy vehicles should be kept out of the seasonal and ephemeral stream channels and the movement of exploration vehicles should be limited where possible to the existing roads.</td>
<td>Compliant</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- All earthworks equipment operators shall be informed to cease operating immediately if any artefact is unearthed and to report the finding immediately to Project manager, who in turn shall notify the National Heritage Council.</td>
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<tr>
<td></td>
<td></td>
<td>- Exploration activity needs to be conducted in such way that disturbance to paleontology is minimized</td>
<td></td>
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</tr>
<tr>
<td>ACTIVITY/PROCESS</td>
<td>ASPECT</td>
<td>IMPACT</td>
<td>MANAGEMENT ACTIONS</td>
<td>COMPLIANCE</td>
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</tr>
<tr>
<td>1) Decommissioning and Closure</td>
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</tr>
<tr>
<td></td>
<td>Decommissioning</td>
<td>Social and Environmental Performance &amp; Visual</td>
<td>Conduct a validation survey to ensure that all contaminated material at the substation has been removed; remove any contaminated material and dispose of at an appropriate disposal facility.</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>Rehabilitate access tracks not required for ongoing land use activities.</td>
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<td>Remove all other equipment, waste, etc. from the area.</td>
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<td>Reshape all disturbed areas to their original contours.</td>
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<td>Cover disturbed areas with previously collected topsoil and spread evenly.</td>
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<td>Manually rip disturbed areas, where compaction has taken place, and cover the areas with previously collected topsoil.</td>
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<td>Replant any previously removed native plant species in disturbed areas.</td>
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<tr>
<td>2) Closure</td>
<td>Loss of jobs and income</td>
<td>Socio-economic</td>
<td>Implement a skills development programme during the operations.</td>
<td>N/A</td>
</tr>
</tbody>
</table>

TABLE 3 - DECOMMISSIONING AND CLOSURE AUDIT
4 CONCLUSION AND RECOMMENDATIONS

Skorpion Mining Company has in the interim period focused all its exploration activities on the area and immediate surrounding of the Skorpion open pit mine in an effort to address the more urgent needs of operation. As such, other than desktop studies and data compilation, no physical prospecting has been conducted for the exploration activities on EPL 2229 for base and rare metals and precious metals since the environmental clearance was issued. All proposed activities shall be carried out in compliance with the relevant requirements of the granted licence in accordance with the approved EMP. It is recommended that the proponent continue to adhere to all environmental legislation and company standards to ensure that best practical environmental protection continues as the project activities progress.
APPENDIX A: ENVIRONMENTAL CLEARANCE CERTIFICATE

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

Managing Director
NamZinc (Pty) Ltd
Private Bag 206
Kosh Finah

Dear Sir/Madam

SUBJECT: ENVIRONMENTAL CLEARANCE CERTIFICATE FOR EXCLUSIVE PROSPECTING LICENSE (EPL) 2229, SITUATED IN LÜDERITZ DISTRICT, //Karas Region

Environmental Management Plan submitted is sufficient as it made provisions of the environmental management concerning the activities. From this perspective regular environmental monitoring and evaluations on environmental performance should be conducted. Targets for improvements should be established and monitored from time to time.

This Ministry reserves the right to attach further legislative and regulatory conditions during the operational phase of the project.

On the basis of the above, this letter serves as an environmental clearance certificate for the project to proceed. However, this clearance letter does not in any way hold the Ministry of Environment and Tourism accountable for misleading information, nor any adverse effects that may arise from this project’s activities. Instead, full accountability rests with NamZinc (Pty) Ltd and its/her consultant.

This environmental clearance certificate is valid for a period of 3 (three) years, from the date of issue unless withdrawn by this office.

Yours sincerely,

Theophilus Nghitela
ENVIROMENTAL COMMISSIONER

"Stop the poaching of our rhinos"

All official correspondence must be addressed to the Permanent Secretary
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| **EIA Consultant**  | G & K Environmental Consultants CC  
|                     | Contact person: Mr. Festus Kapembe  
|                     | Tel. +264 61 222 408 / 081 219 6969  
|                     | E-mail: info@gandkenviro.com |
| **Date of Review**  | 16 August 2016 |
Abbreviations

BID : Background Information Document
CV : Curriculum Vitae
DEA : Directorate of Environmental Affairs
ECC : Environmental Clearance Certificate
EIA : Environmental Impact Assessment
EMA : Environmental Management Act
EMP : Environmental Management Plan
EMS : Environmental Management System
EPL : Exclusive Prospecting License
G&K : Gariseb and Kapembe Environmental Consultants CC
H&S : Health and Safety
IA&Ps : Interested and Affected Parties
MET : Ministry of Environment and Tourism
ML : Mining License
MME : Ministry of Mines and Energy
N/A : Not Applicable
P.A. : Performance Assessment
PPE : Personal Protective Equipment
SZM : Skorpion Zinc Mine
Glossary Terms

**Biotic Resources**: Resources which are considered biotic and therefore renewable.

**Damage**: A deterioration in the quality of the environment not directly attributable to depletion or pollution.

**Depletion**: The result of the extraction of abiotic resources (non-renewable) from the environment or the extraction of biotic resources (renewable) faster than they can be renewed.

**Environment**: The air, land, water, plant life, animal life and ecological system.

**Environmental assessment**: An analysis, report, or body of evidence, relating to a specific project or development that includes a description of the expected environmental impacts of the project, actions that could prevent or mitigate these environmental impacts, and alternative methods of carrying out the project.

**Environmental Impact**: Any change to the environment, whether adverse or beneficial, wholly or partially resulting from an organization's activities, products or services. An environmental impact addresses an environmental problem. Also see environmental effect.

**Environmental Issue**: A point or matter of discussion, debate, or dispute of an organization's environmental aspects.

**Environmental Management**: Those aspects of an overall management function (including planning) that determine and lead to implementation of an environmental policy.

**Environmental Performance**: Measurable results of an environmental management system, related to the control of its environmental aspects.

**Exploration**: The action of exploring an unfamiliar area in order to discover new findings.

**Interested and Affected Party**: Individuals or groups concerned with or affected by the environmental performance of an organization. Interested groups include those exercising statutory environmental control over an organization, local residents, an organization’s investors, insurers, employees, customers and consumers, environmental interest groups and the general public.

**Solid Waste**: Solid products or materials disposed of in landfills, incinerated or composted. See also waste.
Executive Summary

The revised Environmental Management Plan (EMP) for EPL 2229 identifies the principles, approaches, procedures and methods that will be used to control and minimise the environmental and social impacts of all exploration activities.

The initial Environmental Impact Assessment (EIA) Report was carried out in 1995 and the Environmental Clearance Certificate (ECC) issued out in 2012. The revised EMP is intended to complement the existing EMP and to include new issues that were raised during the review of this EMP. It will also be used of the renewal of the ECC for EPL 2229.

The EMP involves multiple units or departments of Skorpion Zinc Mine and responsibilities shared between the exploration team, environmental unit as well as the management of the mine.

The EMP shall be considered a controlled document and should be updated annually, following a reportable incident or plan update.
1. Introduction

G & K Environmental Consultants (G&K) was appointed by Skorpion Zinc Mine (SZM) to update the Environmental Management Plan (EMP) for EPL 2229 on which the Skorpion Zinc Mining License (ML 108) is located. An Environmental Clearance Certificate (ECC) was acquired in 2012 and it is now due for renewal. The requirements for such renewal is an update report on the implementation of EMP and the updated EMP in case where the scope for initial assessment has changed.

This revised EMP simply highlight the management actions needed to ensure that undue or reasonably avoidable adverse impacts of exploration activities are prevented; and that the positive benefits of the exploration activities are enhanced. It assigns responsibilities and will be used as a checklist to monitor compliance during the exploration stage.

The EMP will provide the technical details for each mitigation, monitoring and institutional measure, including the impact(s) to which it relates and the conditions when it is required, together with designs, equipment descriptions and operating procedures. Where necessary, the EMP will specify for each mitigation measure timing, cost, locations, and institution or personnel responsible.

The EMP will specify the monitoring objectives and the types of monitoring needed to ensure that the mitigation measures have been put in place and are working as intended for plus any other monitoring of the environmental and social aspects that are considered appropriate to measure the environmental impacts or to ensure that unanticipated environmental impacts do not occur. The EMP will also specify the monitoring and reporting procedures to ensure early detection of issues and provide information on progress and results of mitigation.

This EMP describes the processes that Skorpion Zinc Mine and associates will follow to maximize compliance and minimize harm to the natural environment at EPL 2229. This plan will also help the Mine map out progress toward achieving
continual improvements. The EMP comprises of a list of actions needed to mitigate the potential negative environmental impacts identified in the initial EIA and those reported during implementation stage.

The revised EMP together with the implementation report will be submitted to the Environmental Commissioner at the Directorate of Environmental Affairs (DEA) in the Ministry of Environment and Tourism (MET). The implementation of this revised EMP is required in terms of the Environmental Management Act (EMA) No. 7 of 2007. Therefore, this EMP is a legal document that must implemented during the exploration stage.

2. Objectives of the revised EMP

The main purpose of this EMP is to prevent avoidable damage and/or minimize or mitigate unavoidable environmental damage associated with exploration. The EMP forms part of the exploration procedures that all exploration team or employees of the Mine involved in exploration must adhere to.

This EMP:

- identifies all mineral exploration activities that could cause environmental damage (risks) and provides a summary of actions required;
- identifies institutions responsible for ensuring compliance with the EMP and provides their contact information;
- provides standard procedures to avoid, minimize and mitigate the identified negative environmental impacts and to enhance the positive impact of the proposed activities on the environment;
- provides for site and exploration rules and actions required;
- forms a written record of procedures, responsibilities, requirements and rules for the exploration team and any other person who may be directly or indirectly involved;
provides a monitoring and auditing programme to track and record compliance and identify and respond to any potential or actual negative environmental impacts, and

Provides a monitoring programme to record any mitigation measures that are implemented.

3. EMP Administration

For the general provisions of this EMP to be fully implemented there is a strong need to clearly outline the roles and responsibilities of all stakeholders. There is also a need for Skorpion Zinc Mine and its contractors to appoint an overall responsible person (Environmental Division) to ensure the successful implementation of the EMP. The responsible person needs to be someone who has an understanding of EMP administration. Under the management actions, each action is allocated to a responsible entity to ensure that the specific action is managed and documented properly.

Furthermore, all key role players such as contractors who will be involved during the exploration process must be informed about the contents of this EMP and activities to be undertaken to mitigate the potential impacts identified in the EIA.

Any new developments that will occur during exploration process that might have potential impacts on the environment should trigger further adjustments and revision of this EMP to ensure that all potential threats to the environment are addressed on an ongoing basis. These new impacts if any should be reported to MET during the implementation reporting period.
4. Management Actions

1) Generic Management Action

In order to ensure that exploration activities are effectively maintained and that exploration activities are done in a responsible fashion and that they do not pose any risks to the environment or human health and wellbeing, it is recommended that the following general management actions are implemented.

2) Record Keeping

Record keeping is an essential part of effective management. Skorpion Zinc Mine should establish an effective monitoring and record keeping system for the duration of the exploration process. The purpose of this is to ensure the effective management and control of all exploration activities are carried out in a responsible manner as required by the law in order to ensure that no impacts are triggered as a result of the transportation activities.

The following is a brief guide to the type of records that should be kept:

**Plans and Procedures:**

There should be a complete record of steps and procedures clearly indicating what should be done, the responsible person and the activity that should be done as precautionary measure. Such plans should be kept up-to-date by marking up all changes, i.e. omissions and additions to the procedures.

**Daily log:**

A large, page-a-day diary will serve for this purpose and any information which does not logically fit in some other record must be entered in the diary. Typical examples are weather conditions, temperature, peculiar circumstances and problems encountered.
**Environmental, public health and safety education:**

Set up an Educational Programme that is led by the Health & Safety (H&S) Officer for staff involved in the exploration activities. The programme should discuss with staff role that they can and need to play during the exploration stage.
5. Environmental Impacts of Exploration Activities

The initial EIA for EPL 2229 done by Walmsley Environmental Consultants in 1998 raised a number of impacts that could be experienced during the exploration stage. Some of the identified potential impacts from the initial EIA Report and others raised during the site visits are:

- **Introduction of fauna and flora:** This relates to the introduction of seeds and fauna through the movement of people and vehicles. This impact can be successfully mitigated through rehabilitation and control of movement on site;
- **Potential pollution of underground water during exploration depending on the exploration methods to be used;**
- **A concern was expressed about the impacts of uncontrolled off-road driving on the soils. The grasses and succulents that are found on the soils in the project area stabilize the surface and protect the underlying soil from erosion. Disturbance of the organic and inorganic protective layers can lead to increased wind and water erosion, reduced infiltration rates, reduced soil moisture content and the inhibition of plant germination;**
- **Vehicles tracks on the desert soils remain for many years because of the compaction of the sensitive soil structure and disturbance of the sparse vegetation cover;**
- **Pollution of the soil through accidental spillage is unlikely given the presence of calcretes below the top soil horizons. This provides good buffering capacity and any acidic pollution will soon be neutralized.**
- **Illegal entry to the Sperrgebiet and hunting, poaching and illegal reptile collection were cited as the major concern of the public and authorities. Bees and their possible effect on health and safety were raised as one of the concerns.**
- A number of socio-economic issues were raised during the initial public consultation and they are: employee health, the influx of job seekers from other parts of Namibia and the potential zinc markets;
- Some of the recreational activities provided on construction site could lead to social problems such as alcoholism or addiction to gambling;
- Possible establishment of informal settlement and traders outside mine site;
- Large volumes of solid waste and severe littering; and
- Illegal plant and reptile collection and hunting. It was reported that many of the succulents in the study area are highly sought after by succulents' collectors;
- Removal of vegetation, seedbed and topsoil.
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<th>No.</th>
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<th>Recommended mitigation</th>
<th>Technical Information</th>
<th>Implementation Schedule</th>
<th>Costing in N$</th>
<th>Responsible Agent</th>
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<tbody>
<tr>
<td>1.</td>
<td>Impact to ecological resources would be minimal and localized during exploration because of the limited nature of activities.</td>
<td>Ensure that all ecological resources such as vegetation, wildlife, aquatic biota, special status species and habitats are protected from the exploration activities.</td>
<td>Technical information regarding the ecological resources available in the area should be provided by the environmental team.</td>
<td>Mitigation measures applicable during the exploration process.</td>
<td>No additional mitigation cost predicted.</td>
<td>Skorpion Zinc Mine / Exploration team</td>
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<tr>
<td>2.</td>
<td>Introduction of fauna and flora through the introduction of seeds and fauna through the movement of people and vehicles.</td>
<td>This impact can be successfully mitigated through rehabilitation and control of movement on site.</td>
<td>Technical information regarding the ecological resources available in the area should be provided by the environmental team.</td>
<td>Mitigation measures applicable during the exploration process.</td>
<td>No additional mitigation cost predicted</td>
<td>Skorpion Zinc Mine / Exploration team</td>
</tr>
<tr>
<td>3.</td>
<td>Impacts on air quality during exploration activities such as emissions and dust from earth moving equipment, vehicles, geophysical surveys, borehole completion and testing and drill rig exhaust.</td>
<td>Dust suppression method should be done to minimize the dust emission from exploration. Exploration team should be provided with dust mask</td>
<td>Impacts on air quality would depend on the duration, location and characteristics of the emissions and the metrological conditions</td>
<td>Mitigation measures applicable during the exploration process.</td>
<td>Depend on the mitigation measure to be undertaken</td>
<td>Skorpion Zinc Mine / Exploration team</td>
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**Impact on Social Environment**
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<tr>
<td>4.</td>
<td>Preliminary assessment indicated activities conducted during exploration phase are temporary and limited in scope, they would not result in significant socioeconomic impacts on employment, local services or property values.</td>
<td>Ensure that local people are employed for semi-skilled labour where possible during exploration and after the mining activities commence.</td>
<td>Depending on the results of the exploration activities, more employment opportunity might arise as a results of the expansion of mining activities later when the mining activities commerce.</td>
<td>As soon as possible where possible</td>
<td>No additional mitigation cost predicted.</td>
<td>Skorpion Zinc Mine / Exploration team</td>
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<td>5.</td>
<td>Potential impacts on human health and safety resulting from exploration activities such as occupational accidents and injuries, vehicle accidents, exposure to weather extremes, wildlife encounters, trips and falls on uneven terrain, adverse health effects from dust generation and emissions and contact hazardous materials</td>
<td>All employees working on exploration should be inducted on human health and safety and should be provided with PPE</td>
<td>Technical information on health and safety to be provided by the health and safety team</td>
<td>As soon as possible where possible.</td>
<td>No additional mitigation cost predicted.</td>
<td>Skorpion Zinc Mine / Exploration team</td>
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<td>6.</td>
<td>Illegal entry to the Sperrgebiet and hunting, poaching and illegal reptile collection were cited as the major concern of the public and authorities.</td>
<td>The exploration team should be inducted on Parks rules and that no one is allowed to hunt, poach or collect any illegal reptiles etc.</td>
<td>The Environmental Team should provide guidelines / Park Rules to the Exploration team involved.</td>
<td>As soon as possible where possible</td>
<td>No additional mitigation cost predicted.</td>
<td>Skorpion Zinc Mine / Exploration team</td>
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<tr>
<td>7.</td>
<td>Bees and their possible effect on health and safety were raised as one of the concerns.</td>
<td>Where beehives are found, appropriate personnel (i.e. MET) should be notified as soon as possible.</td>
<td>The Environmental Team should provide guidelines / Park Rules to the Exploration team involved</td>
<td>As soon as possible where possible</td>
<td>No additional mitigation cost predicted.</td>
<td>Skorpion Zinc Mine / Exploration team</td>
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**Impacts on Physical Environment**

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<tr>
<td>8.</td>
<td>Acoustics or noise associated with exploration from earth-moving equipment, vehicle traffic, geophysical surveys and drill rig operations</td>
<td>Noise pollution during exploration would be minimal. However, if deemed necessary, employees working on the exploration should exercise maximum care to avoid disruption</td>
<td>N/A</td>
<td>As soon as possible where possible.</td>
<td>No additional mitigation cost predicted</td>
<td>Skorpion Zinc Mine / Exploration team</td>
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<td>No.</td>
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<td>9</td>
<td>Geophysical and exploratory drill crews may generate waste i.e. drilling fluid and muds, used oil and filters, spilled fuel, drill cuttings, spent and unused solvents, scrap metal, solid waste and garbage</td>
<td>Ensure that waste generated during the exploration on site is disposed of at an appropriate site</td>
<td>There should be appropriate waste bins on site</td>
<td>As soon as possible where possible.</td>
<td>No additional mitigation cost predicted</td>
<td>Skorpion Zinc Mine / Exploration team</td>
</tr>
<tr>
<td>10</td>
<td>Temporary and localized impact to land use would result from exploration activities such as disturbance to wildlife</td>
<td>Exploration activity needs to be conducted in such way that disturbance to wildlife is minimized</td>
<td>Survey should be done regularly to determine the extent of the impact.</td>
<td>Ongoing</td>
<td>No additional mitigation cost predicted</td>
<td>Skorpion Zinc Mine / Exploration team</td>
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<td>11</td>
<td>Paleontological resources could be disturbed by vehicular traffic, ground clearing and pedestrian vehicle activities</td>
<td>Exploration activity needs to be conducted in such way that disturbance to paleontology is minimized</td>
<td>Regular monitoring should be conducted and impacts mitigated as per the EMP.</td>
<td>Ongoing</td>
<td>No additional mitigation cost predicted</td>
<td>Skorpion Zinc Mine / Exploration team</td>
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<td>12</td>
<td>Loss of biological crusts can substantially increase water and wind erosion. However, the amount of surface disturbance and use of geologic materials during exploration would be minimal</td>
<td>Exploration activity needs to be conducted in such way that disturbance to surface materials is minimized</td>
<td>Ensure that surface materials are protected where possible.</td>
<td>Ongoing</td>
<td>No additional mitigation cost predicted</td>
<td>Skorpion Zinc Mine / Exploration team</td>
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<tr>
<td>13</td>
<td>Visual impacts could be adverse if the landscape were substantially degraded or modified. However, exploration activities would have only temporary and minor visual effects, resulting from the presence of drills rigs, workers, vehicles and other equipment</td>
<td>N/A</td>
<td>No technical information required</td>
<td>Ongoing monitoring</td>
<td>No additional mitigation cost predicted</td>
<td>Skorpion Zinc Mine / Exploration team</td>
</tr>
<tr>
<td>14</td>
<td>Minimal impact to water resources (water quality, water flows and surface/groundwater interactions)</td>
<td>N/A</td>
<td>Groundwater monitoring reports</td>
<td>Ongoing monitoring</td>
<td>No additional mitigation cost predicted</td>
<td>Skorpion Zinc Mine / Exploration team</td>
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<td>No.</td>
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<td>15.</td>
<td>Uncontrolled off-road driving may have an impacts on the grasses and succulents that are found on the soils in the project area that stabilizes the surface and protect the underlying soil from erosion. Disturbance of organic and inorganic protective layers can lead to increased wind and water erosion, reduced infiltration rates, reduced soil moisture content and inhabitation of plant germination.</td>
<td>Off-road driving should be limited to specific areas and rehabilitation where possible should be done after the exploration activities.</td>
<td>The exploration team should guide the vehicles for exploration on which route should be used.</td>
<td>Ongoing monitoring</td>
<td>No additional mitigation cost predicted</td>
<td>Skorpion Zinc Mine / Exploration team</td>
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<td>16.</td>
<td>Pollution of the soil through accidental spillage is unlikely given the presence of calcretes below the top soil horizons. This provide good buffering capacity and any acidic pollution will soon be neutralized.</td>
<td>No action required. However, where excessive spillage occurred, it should be cleaned up and dumped at an appropriate waste area.</td>
<td>The Environmental Team should guide the exploration team on where hazardous waste should be disposed of.</td>
<td>Ongoing monitoring</td>
<td>No additional mitigation cost predicted</td>
<td>Skorpion Zinc Mine / Exploration team</td>
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*Table 1: Showing Management and Mitigation Actions*
1.1. Monitoring and Evaluation

1.1.1. Monitoring

This section of the EMP is aimed at providing the monitoring and reporting procedures to ensure early detection of issues and provide information on progress and results of mitigation.

The main objective of this EMP’s monitoring program is to ensure that the mitigation measures that have been put in place are working as intended to ensure that unanticipated environmental impacts do not occur. The effectiveness of the mitigation measures should also be evaluated and adjusted accordingly.

The person to be appointed by Skorpion Zinc Mine to take the overall responsibility of ensuring that the EMP is fully implemented must also monitor the implementation of the EMP and keep records on an throughout the duration of the activity.

Reporting procedures for conveying information from the monitoring activities must be developed by the Skorpion Zinc Management in order to ensure that management is able to take rapid corrective action should certain thresholds be exceeded, this could be included as part of compliance management.

1.1.2. Performance Assessment of the EMP during Operational Phase

Performance Assessment (P.A) is a process to evaluate compliance with stipulated EMP requirements and to assess the achievement of defined objectives and targets. The timing of the P.A. should be conducted once every year by an independent environmental professional or can be done in-house by the environmental division.
A P.A. analyse the results obtained from monitoring, assesses whether objectives and targets have been met and whether there are variances from the stipulated EMP and legal requirements. In addition, the P.A. also assesses whether EMP implementation has been undertaken according to Programmed arrangements and that the EMP itself is being appropriately updated. The P.A. should confirm that the identified corrective action has been undertaken and then assess the effectiveness of that action.
10. References


11. Appendices

APPENDIX A: ENVIRONMENTAL CLEARANCE CERTIFICATE FOR EPL 2229
APPENDIX B: LETTER FROM THE EIA CONSULTANT TO MET
Request for Proposal

SKORPION ZINC

Environmental Impact Assessment / Environmental Management Plan (New) for EPL 5283

And

Environmental Management Plan (Update) for EPL 2229
SKORPION ZINC
Incorporated Namibia
Namzinc (Pty) Ltd
Company Registration No 98/384
Address;
Private Bag 2003
Rosh Pinah
Namibia
Website:
http://www.skorpionzinc.com.na
Tel:  +264 271 2999 (Switchboard)
Fax:  +264 271 2525

Environmental Management Plan (EMP) Update for EPL 2229 and Environmental Impact Assessment (EIA) / Environmental Management Plan for EPL 5283

REQUEST FOR PROPOSAL

16 March 2016

ENVIRONMENTAL MANAGER: Albethina Kondjamba

SENIOR GEOLOGIST: Westley Price
**Project Overview**

Skorpion Zinc (Pty) Ltd (SZ) conducts exploration on EPL 2229 on which the Skorpion Zinc Mining License (ML108) is located (see figure 1 below). An Environmental Clearance Certificate was acquired in 2012 and due for renewal this year (2016). The prerequisite for such renewal as per the Environmental Management Act 27 of 2007 is the update of the Environmental Management Plan.

Immediately south of EPL 2229 is EPL 5283 (figure 1 below) with a natural / physical environment almost identical to that of EPL 2229. Exploration activities will also be similar to the ones conducted on neighbouring EPL 2229. As per the Environmental Management Act, an EMP is also required for EPL 5283.

The Environmental Management Plan must include all aspects relating to this area. All exploration activities will then be carried out in line with this EMP and the ISO14001 and OHSAS18001 standards as stipulated by the Skorpion Zinc SHEQ System.

**Project Objectives**

1. Update the EMP for EPL 2229
2. Conduct EIA / EMP For EPL 5283

The purposes of the EMPs are:

- To outline the aspects of the environment that requires management.
- To summarize activities that have the potential for adverse environmental impacts.
- To compile environmental specifications for inclusion in contract documents and enforcement on site.
- To set out the roles and responsibilities of all with regard to environmental management.
- To specify rehabilitation requirements.
Figure 1: Location map of EPL 2229 and 5283.

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Latitude and longitude lines refer to UTM WGS1984 decimal degrees

**Project Scope**

The scope of work is to deliver a complete Environmental Impact Assessment & Environmental Management Plan for EPL 5283 and an updated Environmental Management Plan for EPL 2229 in line with the requirements of Namibia's Environmental Management Act (2007) and Regulations (2012).

The activities to be carried out during exploration are:

- Desktop studies;
- Mapping;
- Geophysical surveys (airborne & ground);
- Grid line cutting;
- Sampling of soils and rocks;
- Accessing the drill sites;
- Drilling and collecting of samples.

Geological targets will be drilled using either reverse circulation (RC) and/ or diamond drilling methods. The drilling rigs, compressors and generators used for RC drilling will be mounted on trucks suitable for most terrains.

**Timelines**

Proposals must be submitted to Skorpion Zinc on or before 22 March 2016 by 17:00 attention to: AKondjamba@vedantaresources.co.na
APPENDIX D: CV OF THE EIA CONSULTANT AND COMPANY PROFILE
Background and Services

G&K Environmental Consultants CC, Reg. No. CC/2009/2115 is a dynamic consultancy offering sustainable solutions to the private sector, NGO’s, government and donor community.

G&K is 100% Namibian and black owned with experiences in the fields of:

- **Environmental Impact Assessments (EIA) and Environmental Management Plans (EMP)** – Manage EIA and EMP processes, including consultation and hosting of public participation meetings for new development projects. Other services include Project Planning, Execution, Implementation, Monitoring and Support;
- **Training** - Project Management, HSEQ MS Auditing, Risk Management, ISO 14001 Implementation;
- **Research and Development** of policies and procedures;
- **Environmental Auditing** – Offer internal compliance & preparatory audits for HSEQ;
- **Environmental Management** – Specializing in Environmental Assessments, Management Plans, Public Consultation, Application for clearance Certificates, Baseline Surveys, EIA/EMP reviews;
- **Environmental Monitoring and Evaluation** – Providing ongoing monitoring and support on projects;
- **HSE Risk Assessments** - Safe work procedures, risk assessments;
- **GAP Analysis and Implementation of HSEQ MS** (ISO 14001, ISO 9001, OHSAS 18001, ISO 3100)
- **Carbon Footprint studies** - Baseline studies, identification of emission sources, analysis of carbon footprint
- **Pollution Remediation** – Hydrocarbon spillages clean-up;
- **Waste management** - Waste Management solutions.

Our Vision:

To be the leading Environmental Consultancy, fostering sustainable development through our work and services for our clients and inspiring a positive culture change towards environmental stewardship.

Mission Statement:

G&K Environmental Consultants CC is committed to:

- working locally to improve the social, economical and environmental well-being of our communities and clients.
- a sustainable future by ensuring that all projects, programmes, and policies reduce adverse impacts on the environment and at the same time reduce costs, time & improve quality of output.
- continuous improvement of our work and services to provide exceptional service to our clients.
- comply with relevant national legislation and regulations to improve the environment in our community by working with our clients, community leaders and our neighbours to create a sustainable place to live and work.

Our ability to successfully manage wide range of projects makes us well placed to contribute to the successful completion of projects and contribute towards the bottom-line of our clients through cost & time savings and provision of exceptional quality service.
List of Projects Completed

G&K Environmental Consultants CC, Reg. No. CC/2009/2115 has successfully completed the following projects:

- Environmental Impact Assessment for the proposed permanent closure of public open space (Erf 1115, Rundu) for the Hospitality purposes.
- Environmental Impact Assessment for the sitting of water, borehole drilling and internal bulk services to Nkurenkuru District Hospital at Nkurenkuru, Kavango Region.
- Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP) for the development of Mariental Private School.
- Environmental Impact Assessment and Environmental Management Plan (EMP) for the dewatering and disposal of underground water from the Skorpion Zinc Pit.
- Environmental Impact Assessment for the Proposed Township Establishment & Layout of Walvis Bay Extension 5: (Erf X for 77 Erven & Remainder to be known as Walvis Bay Extension 16, Erf 4686 for 169 Erven to be known as Walvis Bay Extension 17).
- Environmental Impact Assessment and Environmental Management Plan (EMP) for the Township establishment between Outjo Town and the by-pass to Otavi.
- Environmental Scoping for portion A of portion 32 of the remainder of the farm townlands of Outjo no 193 (Luiperd Street) as a street – Outjo.
- Baseline Assessment for Greenhouse Gasses for Skorpion Zinc Mine.
- GHG emissions and energy inventory for Skorpion Zinc Mine.
- GHG Monitoring and Reporting Plan for Skorpion Zinc Mine.
- Environmental Impact Assessment and Management Plan for the EPL 2229 for Skorpion Zinc Mine.
- Environmental Impact Study & Environmental Management Plan for Farm 38, Walvis Bay (Ongoing).
APPENDIX E: MAP OF THE PROPOSED SITE