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Attention: Dr Branko Corner and Dr Peter
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Namibia

REPORT:

EXPLORATION ACTIVITIES ON EPL 7528 COMPLIANCE REPORT

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Kuiseb Copper Company (Pty) Ltd

EXECUTIVE SUMMARY

Kuiseb Copper Company (Pty) Ltd (KCC) (referred to as the 'Proponent') and Rio Tinto Mining and Exploration Ltd (RT), through a formal KCC-RT joint venture agreement, permits KCC to fully operate the exploration programme for exclusive prospecting licence (EPL) 7528 for base and rare metals, and precious metals in the Omaheke Region, Namibia. EPL 7528 is currently registered under RT with the Ministry of Mines and Energy (MME).

An environmental management plan (EMP) was compiled and approved for EPL 7528, in line with the approved environmental clearance certificate, which was issued by the Ministry of Environment, Forestry and Tourism (MEFT) on 22 February 2021 (ECC-01243) and expires on 22 February 2024.

Landowner liaison takes place with all landowners before any exploration activity can be conducted and the relevant consent agreements are signed.

Fieldwork activities included the following during the period under review: soil sampling, air core drilling and an airborne electromagnetic (AEM) survey.

Where environmental non-conformances or areas of improvement were raised during the onsite auditing activities by Environmental Compliance Consultancy (ECC), these potential impacts were rectified by the Proponent.

No complaints were recorded during the period under review.



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ABBREVIATIONS

Abbreviation	Description
AEM	airborne electromagnetic
CA	consent agreement
ECC	Environmental Compliance Consultancy
e.g.	for example
EMP	environmental management plan
EPL	exclusive prospecting licence
etc.	et cetera
GPS	global positioning system
I&APs	interested and affected parties
JV	joint venture
km	kilometre
km/h	kilometre per hour
KCC	Kuiseb Copper Company (Pty) Ltd
L	litre
m	metre
MEFT	Ministry of the Environment, Forestry and Tourism
MME	Ministry of Mines and Energy
MSDS	material safety data sheets
No.	number
RES	Remote Exploration Services
RT	Rio Tinto Mining and Exploration Ltd
SOP	standard operating procedure



Kuiseb Copper Company (Pty) Ltd

1 INTRODUCTION

1.1 BACKGROUND INFORMATION

Kuiseb Copper Company (Pty) Ltd (KCC) (referred to as the 'Proponent') and Rio Tinto Mining and Exploration Ltd (RT), through a formal KCC-RT joint venture agreement, permits KCC to fully operate the exploration programme for exclusive prospecting licence (EPL) 7528 for base and rare metals, and precious metals in the Omaheke Region, Namibia. EPL 7528 is currently registered under RT with the Ministry of Mines and Energy (MME).

Exploration is a listed activity in terms of the Environmental Management Act, No.7 of 2007, and associated Regulations (2012). An environmental management plan (EMP) was compiled and approved for EPL 7528 (Appendix A) in line with the approved environmental clearance certificate, which was issued by the Ministry of Environment, Forestry and Tourism (MEFT) on 22 February 2021 (ECC-01243) (Appendix B). Additionally, a separate standalone environmental clearance certificate was issued for airborne electromagnetic (AEM) surveys over EPL 7528. The conditions and commitments of these documents must be adhered to during all exploration activities.

Figure 1 provides a locality map of EPL 7528, in relation to existing towns and major roadways. EPL 7528 is located north of the town of Gobabis, in the Omaheke Region.



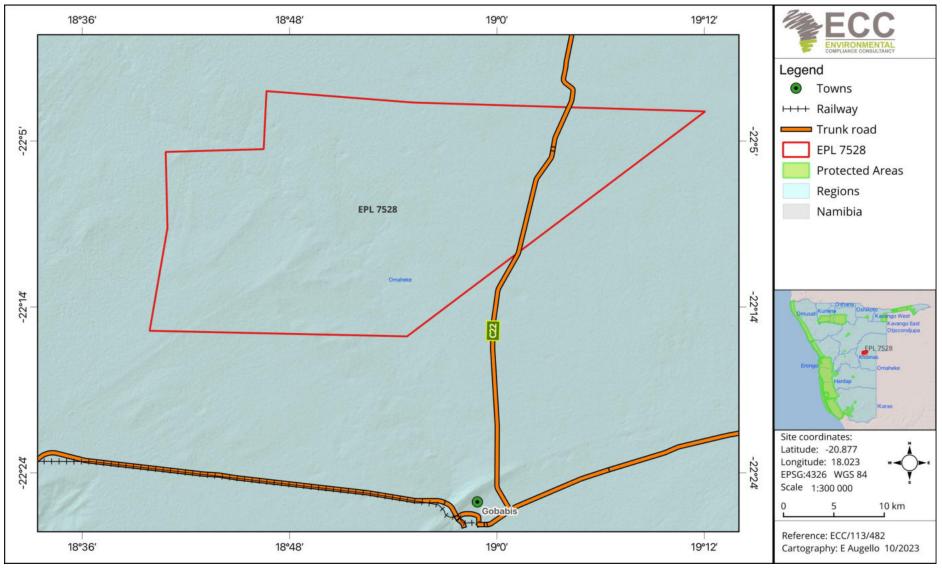


Figure 1 - Site locality map for EPL 7528



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1.2 Purpose of this document

Environmental Compliance Consultancy (ECC) has been engaged by the KCC, on behalf of RT, to prepare the application to renew the environmental clearance certificate for EPL 7528. The Proponent currently holds a valid environmental clearance certificate for exploration activities on EPL 7528, for which a renewal is being applied. As part of this application, an environmental compliance desktop audit has been undertaken to determine the status of compliance with the EMP. Past physical audits, reported on in previous bi-annual reports, also form the basis for review of compliance with EMP requirements.

1.3 Proponent details

Kuiseb Copper Company (Pty) Ltd is a Namibian company in a joint venture with Rio Tinto Mining and Exploration Ltd, which is a global company. The exploration program is managed by Remote Exploration Services (RES), a South African company also registered in Namibia, Remote Exploration Services External Branch Namibia (Pty) Ltd. The Proponent's details are set out in Table 1.

Table 1 - Proponent details

Contact	Postal Address	Email Address	Telephone
Kuiseb Copper Company (Pty) Ltd	P O Box 2055 Swakopmund Namibia	branko@iafrica.com.na	+264 81 124 6757
Remote Exploration Services	P O Box 97401 Maerua Mall Windhoek Namibia	stephan@res.co.za	+264 81 274 3848

1.4 Environmental assessment practitioner

Environmental Compliance Consultancy (ECC) (Reg. No. 2022/0593) has prepared this renewal report and on behalf of the Proponent.

This report has been authored by employees of ECC, who have no material interest in the outcome of this report, nor do any of the ECC team have any interest that could be reasonably regarded as being capable of affecting their independence in the preparation of this report. ECC is independent from the proponent and has no vested or financial interest in the project, except for fair remuneration for professional fees rendered based upon agreed commercial rates. Payment of these fees is in no way contingent on the results of this report or the assessment, or a record of decision issued by Government. No member or employee of ECC is, or is intending to be, a director, officer, or any other direct employee of The Proponent. No member or employee of ECC has, or has had, any shareholding in the Proponent.



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

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1.5 LANDOWNER LIAISON

Contact and relationship management of landowners was undertaken by Kuiseb Copper Company management during the period under review. Remote Exploration Services and/or KCC conducted these engagements where required. ECC was also requested on an ad hoc basis to contact farm owners with information related to the environmental and social impact assessment process that was undertaken by ECC for the approval of exploration activities on EPL 7528.

The majority of landowners were contacted on an individual basis via email, phone or where possible, in person. Each interaction consisted of initial contact, and a presentation of the consent agreement (CA) with a period for questions and answers. In the cases of agreement and consent, notification before the commencement of work, and upon completion was communicated, as well as disbursement of compensation for the land access.

Appendix C provides a list of the farm owners who were engaged and signed CA's per specific exploration activity. Exploration activities took place on 28 farms, respectively.



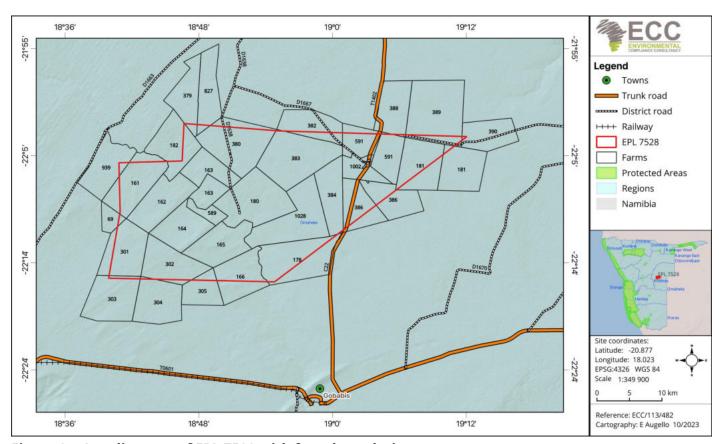


Figure 2 - Locality map of EPL 7528 with farm boundaries



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2 BACKGROUND TO EPL 7528

EPL 7528 was granted to Rio Tinto Mining and Exploration (Ltd) on 25 October 2019 and was renewed on 24 October 2022. An environmental clearance certificate was issued by the Ministry of Environment, Forestry and Tourism (MEFT) on 22 February 2021 and expires on 22 February 2024.

EPL 7528 is located north of Gobabis, Omaheke Region and is 92966.0161 hectares in size.

The Proponent wishes to continue with exploration activities on EPL 7528 for base and rare metals, and precious metals.

2.1 Renewal activities

As part of the exploration programme, the following activities are envisaged:

- Airborne geophysical surveys (non-invasive, coarse line spacing);
- Potential creation of access tracks, where existing tracks cannot be utilised;
- Limited vegetation clearing for creation of tracks and survey access;
- Ground exploration activities may include soil and rock-chip sampling, geological mapping, geophysical surveys, temporary trenching, drilling and drill-core sampling; and
- Rehabilitation of exploration activities.



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3 ENVIRONMENTAL COMPLIANCE AUDIT

3.1 SITE ACTIVITIES

3.1.1 BI-ANNUAL MONITORING AND REPORTING

Environmental reports are submitted to the Ministry of Environment, Forestry and Tourism biannually. These reports report on environmental performance and compliance with regards to the exploration activities taking place on-site, covering the periods from July 2021 to June 2023, respectively. These reports are available in Appendix D.

3.1.2 ACTIVITIES FOR THE MONITORING PERIOD

3.1.2.1 June to December 2021

An airborne electromagnetic (AEM) survey (Figure 3) was carried out between 18 November 2021 and 17 February 2022. For the AEM survey, the survey was completed by the RSA based contractor New Resolution Geophysics pilots and support team. The survey was flown at a coarse 1600 m line spacing, directed NW-SE, covering farms or portions thereof. Prior to the commencement of the AEM survey, formal consent agreements (CA) were signed by a total of 28 farm owners (Appendix C). During the operations of the survey, each farm owner was notified on a daily basis of the commencement of coverage over their farms. The survey did not take place on days where weather conditions were not favourable (e.g. rain, strong winds) or instrument breakdowns. The CA signed with the farmers ensured that the Proponent would cover the costs of any proven infrastructure damage or injury to wildlife or cattle which may have resulted from the survey. No such instances arose, and there were no adverse reports from any of the farmers. High resolution satellite images were provided to each farmer whose property was covered by the AEM survey.



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Figure 3 – AEM survey in operation, on take-off Kiripotib airfield (Source: Proponent)

3.1.2.2 January to June 2022

As noted in the section above, the AEM survey continued into quarter 1 of 2022 and was finalised on 17 February 2023.

Furthermore, engagements with the various farm owners or managers took place before soil sampling and/or air core drilling activities commenced on EPL 7528 by KCC. and/or ECC when required. Prior to commencement of the soil sampling and/or air core drilling activities, formal CA's were signed by a total of four farm owners. These exploration activities took place between the 16 May and 21 July 2022. Aircore drilling activities took place on farms Helder (No. 380) and Hondeblaf (No. 163/REM). Figure 4 provides a visual overview of equipment utilised during this type of exploration sampling. Soil sampling activities took place on farms Vergelegen (No. 162) and Wonderboom (No. 301). During the sampling operations, each farm owner was notified on a daily basis of planned soil sampling and/or air core drilling activities on their farms. An audit took place on farm Helder on the 04 July 2022 by ECC, to review compliance to the EMP. Results and findings from this audit are further discussed in section 3.4 and section 4 of this report and Figure 5 – Figure 7 provides a visual overview of the activities that were audited.

All RES personnel were contracted during the period under review by KCC. The RES team consisted of three male geologists, three male geotechnicians, two female geotechnicians and four male



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field labourers. Nine out of the 12 personnel are Namibian, apart from two of the geologists that are South African and American (USA), respectively.



Figure 4 – Air core drilling rig in operation during activities on EPL 7528 (Source: Proponent)



Figure 5 – Air core drilling rig in operation during activities on farm Helder during the audit by ECC on 04 July 2023





Figure 6 - Rehabilitation activities on farm Helder during the audit by ECC on 04 July 2023



Figure 7 – Sampling activities from the air core rig on farm Helder during the audit by ECC on 04 July 2023



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ECC was requested to engage with farm Nudom (No. 161) farm owner and conduct a separate environmental assessment before a CA would be signed for exploration activities. Unfortunately, an environmental baseline assessment could only be conducted on farm Nudom towards the end of the period under review, which took place on the 24 June 2022. Therefore, no formal consent agreement was reached with the above farm owner during the period under review.

A summary of the assessment is described below:

The assessment with the landlord covered the proposed exploration lines for soil sampling, illustrated in Figure 8, but excluded the three southern lines. The proposed exploration method is soil sampling with an 800 m line spacing and 200 m sample spacing along line. Should this show some interest after on-site analysis of the samples, some infill lines may be sampled. Soil samples will be taken with a shovel at a depth of the width of the shovel blade (estimated 25 - 30 cm). The holes will be backfilled once the sample is collected, and the holes will not be visible. The personnel shall consist of three to four teams each of four team members, consisting of one geologist, one geotechnician and three field labourers. The field work will be carried out on foot, coming to and leaving the farm daily, using vehicles which will be driven only on existing tracks. Therefore, this type of exploration activity is considered non-invasive.

A colony of vultures nests on the farm, in an area of larger Camelthorn trees (*Vachellia erioloba*) between the Black Nossob River and the road C30, as illustrated in Figure 8. As per the Bird Atlas of Namibia and the status assessment of Namibia's vultures (Kolberg et al., 2017), this species is either the White-backed vulture (*Gyps africanus*) or the White-headed vulture (*Trigonoceps occipitalis*). Currently the White-backed vulture is listed as endangered, even though it is the most common vulture in Namibia. This species has been targeted by poachers and deliberately poisoned, especially in north-eastern Namibia, therefore their population numbers have decreased significantly over the years. The White-headed vulture is listed as vulnerable and is at it's limit of its natural distribution in north-eastern Namibia (Kolberg et al., 2017). This location has been identified as a sensitive area on the farm. It is recommended that soil sampling activities here are only conducted on foot, which will minimally disturb the vultures. Further mitigation required is that soil sampling activities planned for the northern two lines are for a short duration and nests should not be accessed by the sampling team.

EPL 7528 is covered with the central Kalahari vegetation type of the Vachellia (previously Acacia) tree and-shrub savanna sub-biome. Camelthorn trees (*Vachellia erioloba*) were observed to be the dominant tree species during the field assessment. The other sensitive area on the farm is the Black Nossob river. However, no sampling activities will take place here and no further mitigation is required. As the exploration activity is carried out mainly on foot, no access tracks will be left behind, and only noise or dust from vehicles travelling on existing roads is expected. The maximum vehicle speed will however not exceed 40 km/h, mostly being significantly less. No vegetation is required to be removed.



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Based on the site-specific environmental assessment conducted, it is reasonable to assess that the soil sampling program will have limited, if any, impacts on the environment. The Proponent staff will be required to be inducted before work is carried out on site, as per the EMP requirements. Personnel will be informed of the sensitive areas and mitigation measures required to be enforced.

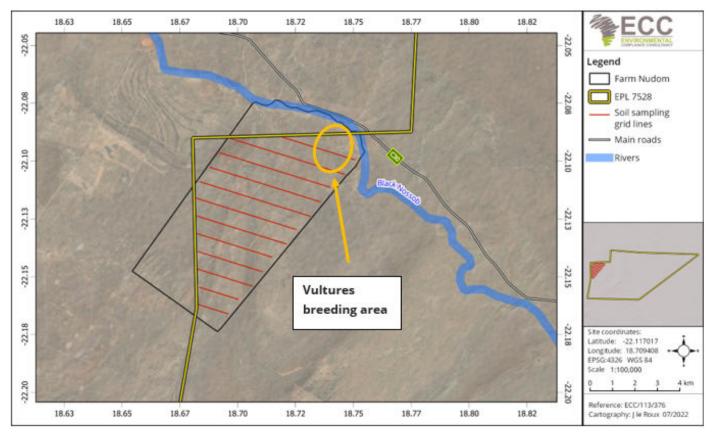


Figure 8 - Proposed exploration lines by KCC on farm Nudom (No. 161)

3.1.2.3 July to December 2022

A successful resettlement community meeting was held on site on the farm Versailles (No. 67), located on joint venture (JV) EPL 7730, whereby the Proponent described KCC's various planned activities, including the AEM survey and proposed follow-up field work, to the community.

Air core drilling was conducted on EPL 7528 on the following farms; Helder (No. 380), Hondeblaf (No. 163/REM; 163/01) and Vorwarts (No. 305). The air core drilling programme was conducted between 22 June and 18 July 2022. The rig, equipment and services were provided by Wallis Drilling. CA's were signed with all farm owners before activities took place. No physical audit was conducted during the period under review by ECC.

The air core technique was used both as a supplement and as a substitute for soil sampling over various portions of the licence area. Prior to drilling, planned drill sample locations and pathways were cleared of vegetation (where applicable) to allow access for the vehicles, drill rig and support equipment. The locations of drill sites were planned along existing private roads within farm



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boundaries, to minimise the quantity of clearing required. The clearing team was allowed tolerance to amend the assigned location to minimise the impact on the environment or local infrastructure. Areas were cleared in a 10 m radius for the air core drilling programme.

Site rehabilitation included levelling of any soil disturbed by the rig or support vehicles/equipment and redistribution of all vegetation that had been removed, to limit soil erosion and to encourage new vegetation growth. All foreign materials were removed prior to mobilising to another site.

3.1.2.4 January to June 2023

Soil sampling was conducted on EPL 7528 and CA's were signed before exploration activities commenced. Exploration activities were conducted on farms; Aandster (No. 182), Bassingthwaighte (No. 1028), Harzburg (No. 166), Helder (No. 380), Hondeblaf (No. 163/REM), Mahagi (No. 302), Nudom (No. 161), Ombu Ondana (No. 165), Vergelegen (No. 162) and Vorwazrts (No. 305). Soil sampling advanced to its fourth phase in quarter 1 and quarter 2 of 2023 and all work was completed. No physical audit was conducted during the period under review by ECC.

No formal training was undertaken during the reporting period, however, daily toolbox talks discussing exploration Project-specific environmental, operational and safety topics were conducted with the team prior to field work commencing. Environmental topics covered included the following:

- Weather conditions
- Interactions with wild animals
- Snakes and snake bites
- Bee stings
- Bushfires
- Littering

3.2 ENVIRONMENTAL MANAGEMENT PLAN AND AUDITING

The approved EMP covers all adverse environmental impacts, including any additional potential impacts that may result from the exploration activities on EPL 7528. The EMP provides the technical details for each mitigation, monitoring and institutional measure, including the impact(s) to which it relates and the conditions when required, together with designs, equipment descriptions and operating procedures as granted.

3.3 COMPLIANCE AUDIT FINDINGS

This section outlines the findings of environmental audits (physical or desktop) during the period of review for EPL 7528. It addresses obligations in terms of the key Acts that govern the activities on site, the commitments made in the EMP, and present the findings and recommended corrective actions where applicable (Table 2Error! Reference source not found.).

The EMP therefore:



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- Identifies all mineral exploration activities that could cause environmental damage (aspects and potential impacts) 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 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;
- Ensure zero pollution incidents; minimal vegetation clearing and earthworks, protect local flora, fauna, and water resources; and water use and other natural resources effectively and efficiently;
- Provides a monitoring and auditing programme to track and record compliance and identify and respond to any potential or actual negative environmental impacts;
- Provides a monitoring programme to record any mitigation measures that are implemented;
- Ensure that regular independent third party environmental audits are carried out on a regular basis; and
- Once exploration has ceased, any impacts shall be rehabilitated.

3.4 Issues of non-compliance

Overall compliance to the EMP was scored as 94.74 % for the audit conducted on farm Helder (No. 380) on 04 July 2023 by ECC, with two recorded non-compliances – related to no portable toilets being made available and therefore domestic wastewater was not managed properly.

Where environmental non-conformances or areas of improvement were raised during the onsite auditing activities by ECC, these potential impacts were rectified by the Proponent.



4 EXPLORATION EMP COMPLIANCE AUDIT

This section (Table 2) provides an overview of the compliance with EMP requirements as depicted in the approved EMP for EPL 7528 (Appendix A).

Table 2 – Exploration EMP compliance audit (EPL 7528)

Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Access and	- Miscommunication	- Ensure documented permission to enter farms is	- Compliant	- Open
site	with the farm	enforced,		communication
preparation	owners,	- Farmers should have access to all farm areas at all		and landowner
	 Disruption of farm 	times,		liaison with farm
	operations (leaving	 Existing water points and feeding areas need to be 		owners/managers
	gates open, loss of	left, unaffected,		where activities
	farming area,	- Use existing roads for access to avoid new tracks and		have taken place
	interference at	cut lines,		during the
	water points)	- Compliance with all applicable laws and agreements.		reporting period.
	 Potential conflict 			 The drilling and
	with farm owners			exploration teams
	and neighbours			move together on
	(suspicious			existing tracks and
	movement,			stay away from
	poaching, stock			farming activities.
	theft, field fires,			 For the AEM
	etc.).			survey, sensitive
				areas were
				avoided. The flight
				line was deviated



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Activity	Potential impacts	Wallagement/Initigation measures	Compliance	by 150 m from homesteads, cattle posts if herds were present and other sensitive areas (e.g. vulnerable species such as vultures).
	 Potential grievances and complaints, Social discomfort and anxiety 	 Develop and implement an environmental and social operation manual or procedures to work on private farms and implement monitoring programmes thereafter, Maintain continuous communication with interested and affected parties (I&APs) to identify concerns and mitigation measures, Compliance with all applicable laws and agreements, Train personnel and raise awareness to sensitize them about contentious issues such as stock theft and poaching, Ensure appropriate supervision of all activities daily, Accidents and incidents need to be reported to exploration manager and recorded in the incident register. 	- Compliant	 Open communication and landowner liaison with farm owners/managers where activities have taken place during the reporting period. Consent agreements signed with farm owners before exploration activities can proceed.



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Activity	1 otential impacts	Management/initigation measures	Compliance	
				– Daily supervision
				on site by
				geologists.
				 Incident register in
				place and
				incidents
				recorded.
				– Complaints
				register in
				place.
				 Training and
				awareness is
				conducted
				regarding
				stock theft and
				poaching with
				project
				staff.



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Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
General exploration activities	- Residing and nesting organisms can be disturbed, injured or killed by movement of vehicles and equipment	 Restrict movements to areas of activities only, Use existing tracks and routes as far as practically possible, Identify rare, endangered, threatened and protected species in advance such as the white or black rhino, Route new tracks around sensitive areas inhabited by protected species (i.e., pangolins, etc.), Restrict movements to daytime hours, Sensitize personnel by training and creating awareness amongst them and notify them to avoid some areas, No driving off designated access routes (into the bush) or any off-road, No animals or birds may be collected, caught, consumed or removed from site. 	- Compliant	 The drilling and exploration teams move together on existing tracks and stay away from farming activities, where possible. All field staff are always under supervision and have been informed of what areas to avoid on the respective farms. For the AEM survey, mitigation measures number 3 and 6 were fully adhered too and implemented. KCC further advised a bird specialist to monitor vulture chick response. No



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
				issues were
				reported.
				 For the AEM
				survey, sensitive
				areas were
				avoided. The flight
				line was deviated
				by 150 m from
				homesteads, cattle
				posts if herds were
				present and other
				sensitive areas (e.g.
				vulnerable species
				such as vultures).
				 No off road driving
				observed or new
				tracks created.
	 Residing and 	 Restrict excessive noise to areas of activities only, 	- Compliant	– Open
	nesting organisms	- Restrict excessive noise to daytime hours (7 am to 5		communication
	can be disturbed	pm weekdays and 7 am until 1 pm on Saturdays),		and landowner
	as a result of	– No activities are allowed between dusk and dawn,		liaison with farm
	ambient noise	Drill equipment shall be suitably positioned to ensure		owners/managers
	from operations	that noisy equipment is away from receptors,		where activities
	and movements of			have taken place



A official	Potontial impacts	Management/mitigation measures		Commonts
Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
	vehicles and	- Residents shall be provided at least two weeks' notice		during the
	equipment	of drilling operations within 1 km of their property,		reporting period.
	- Conflict with	– All equipment to be shut down or throttled back		– Exploration
	farmers and	between periods of use,		activities restricted
	neighbours about	- Adhere to civil aviation regulations about the use of a		to daytime (08:00 –
	rising of ambient	drone, if necessary.		17:00).
	noise levels			– Drill equipment is
				compliant with
				EMP
				requirements.
				'
	– Visual	– Position drill equipment and other heavy equipment	- Compliant	- No non-
	disturbances	in such a way that it is out of sight from human		conformances
		receptors;		reported.
		- Barriers or fences shall be used if drilling occurs in		– Drill equipment
		locations that may affect residents or livestock		placement is
		– Maintain good housekeeping standards on site,		compliant with
		– Maintain continuous communication with I&APs to		EMP requirements.
		identify concerns and mitigation measures.		- Good
				housekeeping
				standards
				observed.
				– No fences or
				barriers required.
				- The Proponent to
				ensure compliance
				2232



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Activity	- Dust and emissions	 All vehicles and machinery or equipment to be shut down or throttled back between periods of use, Use existing access roads and tracks where possible, Apply dust suppression where possible, Restrict the speed of vehicles (<30 km/h), Specific activities that may generate dust and impact on residents shall be avoided during high wind events, Residents need to be informed at least two weeks in advance that drilling operations are within 1km of their property, Vehicles and machinery are to be regularly serviced according to the manufacturers' specifications and kept in good working order so as to minimise exhaust 	- Compliant	with the requirements of the EMP. - No non-conformances reported. - Road signage is present depicting speed limits. - Complaints register in place. - The Proponent to ensure compliance with the requirements of the EMP.
	- Loss of soil quality due to mixing of earth matter, trampling, compaction, and pollution,	 emissions. Where possible, plan access routes, drill pads and camps outside of existing drainage lines, Where necessary, install diversions to curb possible erosion, Restore drainage lines when disturbed, Topsoil should be stockpiled separately, and re-spread during rehabilitation, 	- Compliant	 No non- conformances reported. Mitigation measures employed during drilling to prevent



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
	– Enhanced soil	- Limit the possibility of compaction and creating of a		unnecessary
	erosion	hard subsurface,		disturbance.
		- Limit the possibility of trampling,		– Rehabilitation is
		- During drilling oil absorbent matting should be placed		ongoing for all
		under and around the rig,		drilling
		- Equipment must be in a good condition to ensure that		programmes.
		accidental oil spills do not occur and contaminate soil,		– Site rehabilitation
		– In the event of spills and leaks, polluted soils must be		includes levelling of
		collected and disposed of at an approved site,		any soil disturbed
		Limit the possibility of mixing mineral waste with		by the rig or
		topsoil.		support
				vehicles/equipment
				and redistribution
				of all vegetation
				that has been
				removed.
	– Groundwater	– Ensure drill pads and spill kits are in place on site,	- Compliant	 Air core drilling is a
	contamination	Consider alternative sites when the water table is too		dry process and
		high,		thus no
		– Wastewater shall be contained,		wastewater is
		Where possible, water from existing water sources		generated by this
		shall be used.		drilling method.
				– Spill kits are
				available on site.
				- The Proponent to
				ensure compliance



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
				with the requirements of
				the EMP.
Airborne EM	 Perceived impact 	 Prior to conducting aerial surveys, both directly and 	- Compliant	 Prior to conducting
survey (AEM)	from low-flying EM	indirectly affected parties should be informed in		aerial surveys, both
over the EPL,	survey activities on	writing at least 2 weeks prior,		directly and
possible low	livestock and	 The following information is to be included in the 		indirectly affected
flying,	humans.	written communication sent to the interested and		affected parties
indication		affected parties. This can be in the form of a Press		were informed in
of line		Notice;		writing at least 2
spacing		o Company name,		weeks prior to
		o Survey dates, time and duration,		commencement
		o Purpose of the survey,		and verbally 2 days
		o Flight altitude,		prior to flights over
		o Survey location, map of survey area and flight lines,		specific farms.
		and		 At least 2 weeks
		o Contact details for enquiries.		prior I&APs were
				engaged.
				 Engagements took
				place as required
				and daily
				notifications are
				sent to farm
				owners during the
				survey activities.



	Kulseb Copper Company (Pty) Ltd			
Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
				– No issues reported.
Vegetation	 Loss of plant 	 Use existing roads for access to avoid new tracks and 	- Compliant	- The drilling and
clearance for	species	cut lines,		exploration teams
access	 Loss of habitat 	- Minimise clearance areas through proper planning of		move together on
routes, drill	 Create landscape 	the exploration activities,		existing tracks and
pads and	scars	 Route new tracks around established and protected 		stay away from
temporary	 Enhance erosion 	trees, and clumps of vegetation,		farming activities,
contractor	 Loss of sense of 	 Identify rare, endangered, threatened and protected 		where possible.
camps	place	species,		– All field staff are
		 During toolbox talks and induction, highlight to 		always under
		workers that the removal of significant plants should		supervision and
		be avoided,		have been
		 Where possible rescue and relocate plants of 		informed of what
		significance,		areas to avoid on
		 Promote revegetation of cleared areas upon 		the respective
		completion of exploration activities.		farms.
				– Toolbox talk are
				conducted on a
				daily basis covering
				all operational,
				environmental and
				safety
				requirements for
				the Project.
				- No off road driving



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
				observed or new
				tracks
				created.
				 Induction is
				conducted and
				training/awareness
				is raised.
				 Site rehabilitation
				includes levelling of
				any soil disturbed
				by the rig or
				support
				vehicles/equipment
				and redistribution
				of all vegetation
				that has been
				removed, to
				encourage re-
				vegetation, where
				applicable.
	– Alien plants and	All project equipment arriving on site from an area	- Compliant	- Induction is
	weeds can	outside of the project or coming from an area of		conducted and
	accidentally be	known weed infestations (not present on the project		training/awareness
	introduced	site) should have an internal weed and seed		is raised, daily
		inspection completed prior to equipment being used,		toolbox talks with
				the teams.



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		 Ensure contractors receive induction on spread of alien weed, Ensure the potential introduction and spread of alien plants is prevented, Ensure the correct removal of alien invasive vegetation and prevent the establishment and spread of alien invasive plants, Eradicate weeds and alien species as soon as they appear, Make workers aware about alien species and weeds. 		- The Proponent to ensure compliance with the requirements of the EMP.
Fuel handling and storage, maintenance on equipment, machinery and vehicles Inadequate control or accidental releases of hazardous substances on site	 Soil contamination Water contamination Enhance accidental veld fires during high wind periods 	 Storage Label chemicals appropriately, Chemicals with different hazard symbols should not be stored together - clear guidance on the compatibility of different chemicals can be obtained from the material safety data sheets (MSDS) which should be readily available, Store chemicals in a dedicated, enclosed, and secure facility with a roof and concrete floor. Chemical tanks should be completely contained within secondary containment such as bunding, Consider the feasibility of substituting hazardous chemicals with less hazardous alternatives, 	- Compliant	 No non-conformances or incidents reported. Only water is added to keep the hole open during the air core drilling process. Fire hazard signage boards available. Fuels are stored correctly as per requirements. Fire extinguishers available on site.



Kuiseb Copper Co			
Potential impacts	Management/mitigation measures	Compliance	Comments
	 Storage and handling of fuels and chemicals shall be 		– Spill kits available
	in compliance with relevant legislation and		on site.
	regulations,		– No spill lincidents
	– Fuels, lubricants, and chemicals are to be stored		recorded.
	within appropriately sized, impermeable bunds or		– The Proponent to
	trays with a capacity not less than 110% of the total		ensure compliance
	volume of products stored.		with the
			requirements of
	Fire risk		the EMP.
	– No open fires are allowed to be lit by personnel,		
	associated with the proponent anywhere on the EPL		
	outside of dedicated campsites,		
	– The proponent to ensure that exploration campsites		
	have proper cooking facilities available to use. Gas		
	stoves are the preferred option,		
	 No cigarette butts are allowed to be discarded into 		
	the environment. These should be contained in		
	appropriate domestic containment bins and disposed		
	of at the local landfill site,		
	 No unauthorised movement beyond the exploration 		
	areas and campsites is allowed,		
	- Proper fire hazard identification signage to be placed		
	in areas that store flammable material (e.g.,		
	hydrocarbons		
	and gas bottles),		
	Potential impacts	 Storage and handling of fuels and chemicals shall be in compliance with relevant legislation and regulations, Fuels, lubricants, and chemicals are to be stored within appropriately sized, impermeable bunds or trays with a capacity not less than 110% of the total volume of products stored. Fire risk No open fires are allowed to be lit by personnel, associated with the proponent anywhere on the EPL outside of dedicated campsites, The proponent to ensure that exploration campsites have proper cooking facilities available to use. Gas stoves are the preferred option, No cigarette butts are allowed to be discarded into the environment. These should be contained in appropriate domestic containment bins and disposed of at the local landfill site, No unauthorised movement beyond the exploration areas and campsites is allowed, Proper fire hazard identification signage to be placed in areas that store flammable material (e.g., hydrocarbons 	Potential impacts Management/mitigation measures - Storage and handling of fuels and chemicals shall be in compliance with relevant legislation and regulations, - Fuels, lubricants, and chemicals are to be stored within appropriately sized, impermeable bunds or trays with a capacity not less than 110% of the total volume of products stored. Fire risk - No open fires are allowed to be lit by personnel, associated with the proponent anywhere on the EPL outside of dedicated campsites, - The proponent to ensure that exploration campsites have proper cooking facilities available to use. Gas stoves are the preferred option, - No cigarette butts are allowed to be discarded into the environment. These should be contained in appropriate domestic containment bins and disposed of at the local landfill site, - No unauthorised movement beyond the exploration areas and campsites is allowed, - Proper fire hazard identification signage to be placed in areas that store flammable material (e.g., hydrocarbons



				Copper Company (Pty) Ltd
Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		 Control and reduce the potential risk of fire by 		
		segregating and safe storage of materials,		
		 Avoid potential sources of ignition by prohibiting 		
		smoking in and around facilities,		
		 Fire extinguishers should always be at designated 		
		areas and should be inspected regularly.		
		Spills		
		Spill kits with the following items as a minimum		
		should be made available on site:		
		Absorbent materials, Should		
		o Shovels,		
		Heavy-duty plastic bags,		
		o Protective clothing (e.g., gloves and overalls),		
		Major servicing of equipment shall be undertaken		
		offsite or in appropriately equipped workshops,		
		 For small repairs and unavoidable and necessary 		
		maintenance activities all reasonable precautions to		
		avoid oil and fuel spills must be taken (i.e., spill trays,		
		impervious sheets),		
		 Provision of adequate and frequent training on spill 		
		management, spill response and refueling must be		
		provided to all onsite personnel,		
		- No refueling is to take place within 50 meters of		
		groundwater boreholes, surface water or streams.		
		I		I .



Kuiseb Copper Company				
Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		 Vehicles and machinery are to be regularly serviced 		
		to minimise oil and fuel leaks,		
		- All major petroleum product spills (spill of more than		
		200 litres per spill) should be reported to the Ministry		
		of Mines and Energy (MME) on Form PP/11 titled		
		"Reporting of major petroleum product spill',		
		attached as Appendix B.		
		The following points therefore apply to all areas on		
		the site:		
		 Assess the situation for potential hazards, 		
		- Do not come into contact with the spilled substance		
		until it has been characterised and necessary		
		personal protective equipment (PPE) is provided,		
		- Isolate the area as required.		
		·		
		The following measures are to be implemented in		
		response to a spill:		
		Spills are to be stopped at source as soon as possible		
		(e.g. close valve or upright drum),		
		 Spilt material is to be contained to the smallest area 		
		possible using a combination of absorbent material,		
		earthen bunds or other containment methods,		
		 Spilt material is to be recovered as soon as possible 		
		using appropriate equipment. In most cases, it will be		
		using appropriate equipment. In most cases, it will be		



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		 necessary to excavate the underlying soils until clean soils are encountered, All contaminated materials recovered subsequent to a spill, including soils, absorbent pads and sawdust, are to be disposed to appropriately licensed facilities, A written incident report must be submitted to the general manager. 		
Generation of	– Soil contamination	 Good housekeeping standards applied on site, 	- Compliant	– Toolbox talks are
waste	 Water contamination Nuisance (visual impacts, litter) Ecological risks 	 Training and raise awareness through toolbox talks and induction, Implement a standard operational procedure (SOP) on waste management, from all kinds of waste possible on-site (e.g. hydrocarbons, domestic, wastewater), Implement a culture of correct waste collection, waste segregation and waste disposal, complimentary to the waste hierarchy – avoid, re-use, recycle, Wastewater discharges will be contained – no disposal of wastewater directly into the environment is allowed. 	Compliant	provided by the drilling company foreman prior to the start of air core activities. Good housekeeping practises observed. An SOP is in place. Solid waste is collected on site and disposed of at the Gobabis landfill site. The Proponent to ensure compliance with the



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
				requirements of the EMP. - A spill kit is available on site. - No non-conformances
Water use	 Soil contamination Ground and surface water contamination Nuisance (visual and odour) 	 Minimise the operational consumption of water throughout the operations of the project, Visual monitoring and photographic record should be kept of any surface and / or groundwater intersected, Recycle wastewater, where possible, Install devices to prevent spills and overfills, e.g. shutoff devices for large volume tanks (e.g. > than 2000 L), Install an impermeable hardstand in areas of high-risk contamination to prevent ground infiltration by pollutants, Segregation of wastewater (domestic and industrial effluent), During operations, monitoring of wastewater discharges (specific to a wastewater discharge permit conditions) should be conducted on a regular basis (quarterly). 	- Compliant	reported. - Concerns were raised of portable toilets not being made available on site during the audit on farm Helder, this was rectified and non conformance was closed. - The Proponent to ensure compliance with the requirements of the EMP.





Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Job creation, skills development and business opportunities	- Beneficial socio- economic impacts on a local and regional scale	 Maximise local employment and local business opportunities, Enhance the use of local labour and local skills as far as reasonably possible, Ensure that goods and services are sourced from the local and regional economy as far as reasonably possible. 	- Compliant	 Evidence of local employment and local business opportunities. RES staff consisted of 10 persons, from which only 2 were expatriates for the soil sampling and aircore drilling activities conducted.



Kuiseb Copper Company (Pty) Ltd

5 CONCLUSION

Fieldwork activities included the following during the period under review: soil sampling, air core drilling and an AEM survey. Landowner liaison took place with landowners before all exploration activities could be conducted and CA's were signed.

The AEM survey, for which a separate EMP was in place, was conducted during the commencement of the reporting period (quarter 4 2021 and quarter 1 2022). All farm owners were contacted residing on each EPL and in addition, farmers were informed 2 days prior to surveying over their farms in order to ensure farm owners are informed of the activities and to remediate any immediate concerns that might arise.

Fieldwork involved utilising existing access tracks and walking where driving was not possible. Sampling techniques during the soil sampling were non-invasive and therefore no rehabilitation was required to be conducted. Air core drilling involved the use of a drill rig mounted on the back of a vehicle, whereby samples were removed with a drill bit and no chemicals were used. The air core vehicle only utilised existing tracks and no new permanent tracks were created. Therefore, no bush clearing activities were undertaken, where required vegetation was trimmed to allow for ease of access to drilling targets.

Prior to drilling, planned drill sample locations and pathways are cleared of vegetation to allow access for the vehicles, drill rig and support equipment. The locations of drill sites are planned along existing private roads within farm boundaries, to minimise the quantity of clearing required. The clearing team was allowed tolerance to amend the assigned location to minimise the impact on the environment or local infrastructure. Areas were cleared in a 10 m radius for air core drilling.

Rehabilitation is conducted as field activities progress. Site rehabilitation includes levelling of any soil disturbed by the rig or support vehicles/equipment and redistribution of all vegetation that had been removed (where required), to limit soil erosion and to encourage new vegetation growth.

Two environmental non-conformances in terms of with the EMP requirements were noted during an audit conducted on the 04 July 2022 on farm Helder (No. 380) by ECC, for the air core drilling campaign on EPL 7528. Conclusions drawn from the audit are listed as follows:

- No portable chemical toilets available on site, therefore staff were relieving themselves in Nature: and
- Therefore, domestic wastewater not managed correctly.

These non-conformances raised and all areas of improvement have been rectified by the Proponent during the reporting period.

No complaints were recorded during the period under review.



Kuiseb Copper Company (Pty) Ltd

All proposed activities shall be carried out in compliance with the relevant requirements and conditions of the granted licence in accordance with the EMP. It is recommended that the Proponent continues to adhere to all environmental legislation and company standards to ensure that best practical environmental protection continues as the Project activities progress. It is further recommended that bi-annually or annually an independent environmental assessment practitioner conducts an infield audit on EPL 7528 activities.

ECC Report Nº: ECC-113-482-REP-06-A



Kuiseb Copper Company (Pty) Ltd

APPENDIX A – EXPLORATION ENVIRONMENTAL MANAGEMENT PLAN FOR EPL 7528



ECC-113-309-REP-65-A

ENVIRONMENTAL MANAGEMENT PLAN

EXPLORATION ACTIVITIES FOR BASE AND RARE METALS, PRECIOUS METALS, KHOMAS AND OMAHEKE REGIONS

PREPARED FOR KUISEB COPPER COMPANY (PTY) LTD

DECEMBER 2020

PD 80X 91193 Windbook Nambis Environmental Compliance Consultance OC CC/2013/11404



Kuiseb Copper Company (Pty) Ltd

APPENDIX B – EPL 7528 ENVIRONMENTAL CLEARANCE CERTIFICATE

ECC - 01243 Serial: gWfiP51243



REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental

Management Act (Act No. 7 of 2007)

TO

Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Exploration Activities on EPL 7528 for Base and Rare Metals and Precious Metals in the Omaheke Region

Issued on the date:

2021-02-22

Expires on this date:

2024-02-22

(See conditions printed over leaf)

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Private Bag 13306

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COMMISSIONE

This certificate is printed without erasures or alteration

ECC Report №: ECC-113-482-REP-06-A



Kuiseb Copper Company (Pty) Ltd

ECC -

CONDITIONS OF APPROVAL

- 1. This environmental clearance is valid for a period of 3 (three) years, from the date of issue unless withdrawn by this office
- 2. This certificate does not in any way hold the Ministry of Environment and Tourism accountable for misleading information, nor any adverse effects that may arise from these activities. Instead, full accountability rests with the proponent and its consultants
- 3. This Ministry reserves the right to attach further legislative and regulatory conditions during the operational phase of the project
- 4. All applicable and required permits are obtained and mitigation measures stipulated in the EMP are applied particularly with respect to management of ecological impacts.
- 5. Strict compliance with national heritage guidelines and regulations is expected throughout the life-span of the proposed activity, therefore any new archaeological finds must be reported to the National Heritage Council for appropriate handling of such.
- 6. A six monthly report on project progress and environmental management profile, starting from date of commencement of operations, must be submitted by the Proponent to Office of Environmental Commissioner.

ECC Report Nº: ECC-113-482-REP-06-A



Kuiseb Copper Company (Pty) Ltd

APPENDIX C - CONSENT AGREEMENT SIGNED WITH RESPECTIVE FARM OWNERS DURING THE REPORTING PERIOD

Farm name	Farm number	EPL number	Exploration activities
Aandster	182	EPL 7528	AEM survey; Soil sampling
Bassingthwaighte	1028	EPL 7528	AEM survey; Soil sampling
Dowen	384	EPL 7528	AEM survey
Drimiopsis	1002/01	EPL 7528	AEM survey
Eava	383	EPL 7528	AEM survey
Eindpaal	164	EPL 7528	AEM survey
Gelofte Feesgrond	1002/REM	EPL 7528	AEM survey
Harem A	382	EPL 7528	AEM survey
Harzburg	166	EPL 7528	AEM survey; Soil sampling
Helder	380	EPL 7528	AEM survey; Soil sampling; air core drilling
Hennopsrus	589	EPL 7528	AEM survey
Hippo	386/REM	EPL 7528	AEM survey
Hippo	386/02	EPL 7528	AEM survey
Hippo	386/01	EPL 7528	AEM survey



Farm name	Farm number	EPL number	Exploration activities
Hondeblaf	163/00REM	EPL 7528	AEM survey; Soil sampling; air core drilling
Hondeblaf	163/01	EPL 7528	AEM survey; air core drilling
Mahagi	302	EPL 7528	AEM survey; Soil sampling
Makannor A	591/REM	EPL 7528	AEM survey
Makannor B	591/01	EPL 7528	AEM survey
Mark Wes	304	EPL 7528	AEM survey
Nudom	161	EPL 7528	AEM survey; Soil sampling
Okatjeru	181/REM	EPL 7528	AEM survey
Ombu Ondana	165	EPL 7528	AEM survey; Soil sampling
Otjimukandi	178	EPL 7528	AEM survey; Soil sampling
Sudan	69	EPL 7528	AEM survey
Vergelegen	162	EPL 7528	AEM survey; Soil sampling
Vorwazrts	305	EPL 7528	AEM survey; Soil sampling
Wonderboom	301	EPL 7528	AEM survey; Soil sampling



Kuiseb Copper Company (Pty) Ltd

APPENDIX D - BI-ANNUAL ENVIRONMENTAL REPORTS 2021 - 2023

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ECC-113-309-REP-65-A

ENVIRONMENTAL MANAGEMENT PLAN

EXPLORATION ACTIVITIES
FOR BASE AND RARE METALS, PRECIOUS METALS,
KHOMAS AND OMAHEKE REGIONS

PREPARED FOR KUISEB COPPER COMPANY (PTY) LTD

DECEMBER 2020



TITLE AND APPROVAL PAGE

Project Name: Environmental management plan for the exploration activities on EPLs of

Kuiseb Copper Company (Pty) Ltd and Rio Tinto Mining and Exploration Ltd, in partnership, for base and rare metals, precious metals in the Khomas and

Omaheke regions.

Project Number: ECC-113-309-REP-65-A

Client Name: Kuiseb Copper Company (Pty) Ltd

Ministry Reference: N/A

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DEFINITIONS AND ABBREVIATIONS

ECC Environmental Compliance Consultancy
EIA Environmental Impact Assessment
EMA Environmental Management Act
EMP Environmental Management Plan
EPL Exclusive Prospecting Licence
I&AP Interested and Affected Parties

KCC Kuiseb Copper Company

MEFT Ministry of Environment, Forestry, and

Tourism

MME Ministry of Mines and Energy

MSDS Safety Data Sheets

RT Rio Tinto

SOP Standard Operating Procedure
GPS Geographical Positioning System

AEM Airborne Electromagnetic

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1 INTRODUCTION

1.1 BACKGROUND TO THE PROPOSED PROJECT

Environmental Compliance Consultancy (ECC) has been engaged by the proponent Kuiseb Copper Company (Pty) Ltd to undertake an Environmental Impact Assessment (EIA) and an Environmental Management Plan (EMP) in terms of the Environmental Management Act, No. 7 of 2007 and its regulations. An application for an environmental clearance certificate was submitted to the relevant competent authorities, the Ministry of Mines and Energy (MME) and the Ministry of Environment, Forestry and Tourism (MEFT).

Kuiseb Copper Company (Pty) Ltd (KCC) and Rio Tinto Mining and Exploration Ltd (RT), through a formal KCC-RT Joint Venture agreement, permits KCC to fully operate the exploration program. The proponent intends to conduct exploration activities for base, rare and precious metals in the Khomas and Omaheke regions in the general vicinity of the Gobabis, Witvlei and Doringveld areas of eastern Namibia (Figure 1). The exploration programme may include an airborne electromagnetic survey (non-invasive, at a coarse line spacing) over smaller portions of the combined EPL licence area. Additional exploration methods may include soil and rock-chip sampling, geological mapping and ground geophysical surveys, followed by drilling in selected target areas.



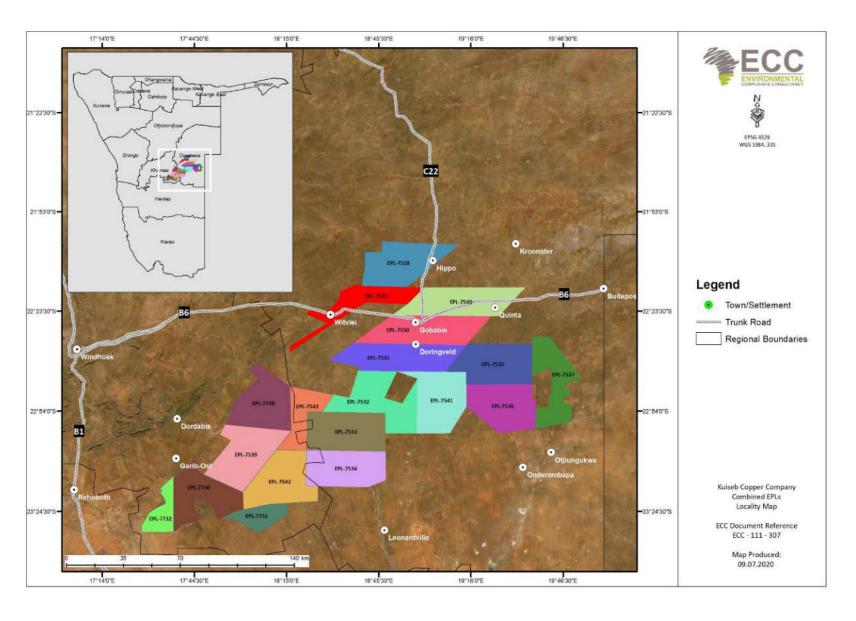


FIGURE 1 - LOCATION OF THE KUISEB COPPER COMPANY AND RIO TINTO MINING AND EXPLORATION JOINT VENTURE EPLS

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1.2 Environmental Regulatory Requirements

The proposed project is considered as a listed activity as stipulated in the Environmental Management Act, No. 7 of 2007 and the Environmental Impact Assessment Regulation, No. 30 of 2012. As a listed activity an application for an environmental clearance certificate is required. An environmental scoping report and EMP are required as part of the environmental clearance certificate application, as well as to support the decision-making process. This report presents the EMP and has been undertaken in accordance with the requirements of the Environmental Management Act, No. 7 of 2007 and its regulations.

1.3 PURPOSE AND SCOPE OF THIS REPORT

This EMP provides a logical framework, proposed mitigation measures and management strategies for the exploration activities associated with the proposed project. In this way ensuring that the potential environmental and social impacts are mitigated and minimised as far as practically possible and that statutory and other legal obligations are adhered to and fulfilled. Outlined in the EMP are the protocols, procedures and roles and responsibilities to ensure the management arrangements are effectively and appropriately implemented.

This EMP forms an appendix to the environmental scoping report and was based on the findings of the assessment; therefore, the environmental scoping report should be referred to for further information on the proposed project, assessment methodology, applicable legislation, and assessment findings.

This EMP is a live document and shall be reviewed at predetermined intervals, and updated when the scope of works alters, or when further data or information can be added. All personnel working on the project will be legally required to comply with the standards set out in this EMP.

The scope of this EMP includes all activities carried out during the exploration stage in search of base and rare metals, precious metals on EPLs 7528, 7529, 7530, 7531, 7532, 7533, 7534, 7535, 7536, 7537, 7538, 7539, 7540, 7541, 7542, 7543, 7730, 7731, and 7732 in the Khomas and Omaheke regions.

1.4 MANAGEMENT OF THIS EMP

The proponent Kuiseb Copper Company (Pty) Ltd will hold the environmental clearance certificate for the proposed project and shall be responsible for the implementation and management of this EMP. The implementation and management of this EMP and thus the monitoring of compliance shall be undertaken through daily duties and activities as well as by monthly inspections.

This EMP shall be circulated to all contractors and made available on ECC's website.

1.5 LIMITATIONS, UNCERTAINTIES AND ASSUMPTIONS OF THIS EMP

This EMP does not include measures for compliance with statutory occupational health and safety requirements. This will be provided in the safety management plan to be developed by the proponent.

Where there is any conflict between the provisions of this EMP and any contractor's obligations under their respective contracts, including statutory requirements (such as licences, project approval conditions, permits, standards, guidelines and relevant laws), the contract and statutory requirements are to take precedence.

The information contained in this EMP has been based on the project description as provided in the environmental assessment report. Where the design or exploration methods alter, this EMP may require updating and potential further assessment undertaken.

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1.6 ENVIRONMENTAL CONSULTANCY

Environmental Compliance Consultancy, a Namibian consultancy with 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 CV's of the authors of this report are contained in Appendix A. ECC is independent of the proponent and has no vested or financial interest in the proposed project except for fair remuneration of professional services rendered.

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

Environmental Compliance Consultancy

PO BOX 91193

Klein Windhoek, Namibia

Tel: +264 81 669 7608

Email: info@eccenvironmental.com



2 PROJECT MANAGEMENT PERSONNEL

2.1 Organisational Structure, Roles and Responsibilities

The proponent shall be responsible for:

- Ensuring all members of the project team, including contractors comply with the procedures set out in this EMP;
- Ensuring that all personnel are provided with sufficient training, supervision, and instruction to fulfil
 this requirement; and
- Ensuring that any persons allocated specific environmental management responsibilities are notified
 of their appointment and confirm, in writing, that their responsibilities are clearly understood.

Contractors shall be responsible for ensuring and demonstrating that all personnel employed by them are compliant with this EMP, and meet the responsibilities listed above. The key personnel and environmental responsibilities of each role through the project life are presented in Table 1.

TABLE 1 - ROLES AND RESPONSIBILITIES

ROLE	RESPONSIBILITIES & DUTIES
Proponent	 Overall responsibility for the implementation and management of this EMP; Ensure the environmental policy is communicated to all personnel throughout the proposed project and ensure that employees, contractors and visitors understand and adhere to the EMP; Responsible for providing the required resources (including financial and technical) to complete the required tasks; Appoint supervisors such as an exploration (project) manager and a site manager; and Ensure that all employees, contractors and visitors are inducted on safety measures.
Exploration Manager	 Responsible for ensuring compliance with this EMP including overseeing all dayto-day activities throughout the duration of the project, including routine and non-routine maintenance works, as well as the decommissioning of the project; Ensure adequate resources are made available for the implementation of this EMP; Responsible for the management, utilisation and possible future revisions of this EMP; Ensure all personnel are aware of the commitments made in this EMP and any other relevant regulatory requirements applicable to the project; Ensure all employees and contractors participate in a site induction process prior to commencing with work on the project; Maintain the community issues and concern register, and keep records of complaints received; Ensure that best environmental practice is undertaken throughout the duration of the project; and Report any non-compliance or accidents to the regulatory authority.
Site Manager (or nominated supervisor)	 Ensure that all employees, contractors and visitors to the site are conversant with the requirements of this EMP, relevant to their roles on site and adhere to this EMP at all times; Provide environmental awareness or management training and site inductions for all employees, contractors and visitors; Monitor daily operations and ensure adherence by personnel to the EMP; Receive, respond to and record complaints; and Report any non-compliance or accidents to the exploration manager.



Employees (and contractors and visitors where applicable)

- Responsible for being compliant with this EMP throughout the project;
- Adhere to this EMP at all times;
- Ensure attendance of site inductions;
- Ensure appropriate briefings for certain activities have been provided and are fully understood; and
- Report any operations and conditions that deviate from the EMP or any noncompliant issues or accidents to the site manager and exploration manager.

2.2 Contractors

Any contractors hired during the exploration activities or for any accessory works for the project, or contractors appointed for maintenance activities, shall be compliant with this EMP, and shall be responsible for the following:

- Undertaking activities in accordance with this EMP as well as relevant policies, procedures, management plans, statutory requirements, and contract requirements;
- Implementing appropriate environmental management measures;
- Reporting of environmental issues, including actual or potential environmental incidents and hazards, to the exploration manager;
- Ensuring appropriate corrective or remedial action is taken to address all environmental hazards and incidents reported; and
- Adhere to the safety management plan developed by the proponent.

2.3 EMPLOYMENT

The proponent (and all contractors) shall comply with the requirements of the national regulations for Labour, health and safety and any amendments to these regulations. The following shall be complied with:

- In liaison with local government, community, stakeholders and relevant authorities the proponent shall ensure that local people have access to information about job opportunities and are considered first for exploration or maintenance contract employment positions;
- The number of job opportunities shall be made known together with the associated skills and qualifications;
- The maximum length of time the job is likely to last for shall be clearly indicated;
- Foreign workers with no proof of permanent legal residence shall not be hired; and
- Every effort shall be made to recruit from the pool of unemployed workers living in the local area for labour positions.



3 COMMUNICATION AND TRAINING

In order to ensure that potential risks and impacts are minimised, it is vital that personnel are appropriately informed and trained on operational procedures that include the above mitigation measures. It is also important that regular communications are maintained with all the stakeholders and that they are made aware of potential impacts and how to minimise or avoid them. This section sets out the framework for communication and training in relation to the EMP.

3.1 COMMUNICATIONS

During exploration, the exploration manager or the site manager shall communicate all environmental issues to the project team through the following means (as and when required):

- Site induction;
- Audits and site inspections;
- Toolbox talks, including instruction on incident response procedures; and
- Briefings on key project-specific environmental issues.

This EMP shall be distributed to the exploration team including any contractors and personnel working on the exploration site to ensure that the environmental requirements are adequately communicated. Key activities and environmentally sensitive operations shall be briefed to workers and contractors in advance.

During the exploration activities, communication between the management team shall include discussing any complaints received and actions to resolve them, any inspections, audits or non-conformance with this EMP, and any objectives or target achievements.

3.2 ENVIRONMENTAL EMERGENCY AND RESPONSE

Table 2 contains a list of numbers to be contacted in case of an emergency. All personnel will be made aware of these numbers.

TABLE 2 - EMERGENCY CONTACT DETAILS

TOWN	AMBULANCE	POLICE	FIRE BRIGADE
Gobabis	+ 264 62 56 6200	+264 62 57 7700	+264 (62) 56-6666
Witvlei	+264 (62) 56-2275	+264 (62) 1-0111	-
Leonardville	+264 (62) 56-2275	+264 (62) 56-9703	+264 (62) 56-9115
Rehoboth	+264 (62) 52-3811	+264 62 523 223	+264 (62) 52-2091

3.3 COMPLAINTS HANDLING AND RECORDING

Any complaints received verbally by any personnel on the project site shall be recorded by the site manager or the receiver, including the name and contact details of the complainant, date and time of the complaint, and the nature of the complaint. The information shall be given to the exploration manager who is responsible for the overall management of complaints and will provide a written response to the complainant. The site manager shall inform the exploration manager of issues, concerns or complaints in a timely manner. It is the duty of both the site manager and exploration manager to maintain a complaint register that details the name of the complainant, date and time of the complaint and action taken to resolve the issues.



The workforce shall be informed about the complaints register, its location and the person responsible, in order to refer residents or the general public who wish to lodge a complaint. The complainant shall be informed in writing of the results of the investigation and action to be taken to rectify or address the matter(s). Where no action is taken, the reasons why are to be recorded in the register.

The complaints register shall be kept for the duration of the project and will be available for government or public review upon request.

3.4 Training and Awareness

All personnel working on the project shall be competent to perform tasks that have the potential to cause an environmental impact. Competence is defined in terms of appropriate education, training, and experience.

3.4.1 SITE INDUCTION

All personnel involved in the project shall be inducted to the site with a specific environment and social awareness training component. The environment and social awareness training shall ensure that personnel are familiar with the principles of this EMP, the environment and social aspects and impacts associated with their activities, the procedures in place to control these impacts and the consequences of departure from these procedures.

The exploration manager shall ensure an up-to-date register of completed training is maintained.

The site induction should include, but not limited to the following:

- A general site-specific induction that outlines:
 - What is meant by "environment" and "social";
 - Why the environment needs to be protected and conserved;
 - o How exploration activities can impact on the environment; and
 - What can be done to mitigate against such impacts.
- The inductee's role and responsibilities with respect to implementing the EMP;
- The site's environmental rules;
- Details of how to deal with, and who to contact if environmental problems occur;
- Basic vegetation clearing principals and species ID sheets;
- Noise control measures for drilling in proximity to residents;
- Focal themes such as compliance, reporting of accidents and incidents, good housekeeping and standard procedures for waste management;
- The potential consequences of non-compliance with this EMP and relevant statutory requirements;
 and
- The role of people responsible for the project.



4 REPORTING, COMPLIANCE AND ENFORCEMENT

4.1 Environmental Inspections and Compliance Monitoring

4.1.1 DAILY COMPLIANCE MONITORING

A copy of this EMP shall be on site throughout the project and shall be available upon request. It is the responsibility of the exploration manager to ensure this EMP is complied with through their daily roles. Daily, weekly and monthly inspections will be undertaken. Any environmental problems or risks identified shall be reported to the exploration manager and actioned as soon as is reasonably practicable.

4.1.2 MONTHLY COMPLIANCE MONITORING

Monthly inspections shall be undertaken by the exploration manager to check that the standards and procedures as set out in this EMP are being complied with and pollution control measures are in place and working correctly. Any non-conformance shall be recorded, including the following details: a brief description of non-conformance, the reason for the non-conformance, the responsible party, the result (consequence), and the corrective action to be taken and any necessary follow up measures required.

4.1.3 REPORTING

There shall be a requirement to ensure that any incident or non-compliance, including any environmental issue, failure of equipment or an accident, is reported to the exploration manager in a timely manner.

4.2 ENVIRONMENTAL PERMITS

Whilst the Water Resources Management Act, No. 11 of 2013 is not enforced, it is best practice to adhere to its stipulations while ensuring compliance with the Water Act, No. 54 of 1956, which is still maintained.

Should water not be sourced directly from a private borehole or from a local Municipal source, a licence to abstract water is required in terms of the Water Act, No. 54 of 1956 and shall operate in accordance with any conditions of the licence.

In the event that vegetation is to be cleared all requirements under the Forest Act, No. 12 of 2001 as amended by the Forest Amendment Act, No. 13 of 2005 and its regulations of 2015 will be complied with.

4.3 Non-compliance

4.3.1 Non-compliance event

Where it has been identified that works are not compliant with this EMP, the exploration manager shall employ corrective actions so that the works return to being compliant as soon as possible. In instances where the requirements of the EMP are not upheld, a non-conformance and corrective action notice shall be produced. The notice shall be generated during the inspections and the exploration manager shall be responsible for ensuring a corrective action plan is established and implemented to address the identified shortcoming.

A non-compliance event or situation, for example, is considered if:

- There is evidence of a contravention of this EMP and associated indicators or objectives;
- The exploration manager or contractor have failed to comply with corrective or other instructions issued by the exploration manager or qualified authority; or
- The exploration manager or contractor fails to respond to complaints from the public.



Activities shall be stopped in the event of serious non-compliance until corrective action(s) has been completed.

4.4 INCIDENT REPORTING

The exploration manager must ensure that an accident and incident (including minor or a near-miss) reporting system is maintained so that all applicable statutory requirements are covered. For any serious incident involving a fatality, or permanent disability, the incident scene must be left untouched until witnessed by a representative of the police. This requirement does not preclude immediate first aid being administered and the location being made safe.

The exploration manager must investigate the cause of all work accidents and significant incidents and must provide the results of the investigation and recommendations on how to prevent a recurrence of such incidents. A formal root-cause investigation process should be followed.

4.4.1 DISCIPLINARY ACTION

This EMP is a legally binding document and non-compliance with it shall result in disciplinary action being taken against the perpetrator(s). Such action may take the form of (but is not limited to):

- Fines or penalties;
- Legal action;
- Monetary penalties imposed by the proponent on the contractor;
- Withdrawal of licence(s); and
- Suspension of work.

The disciplinary action shall be determined according to the nature and extent of the transgression or non-compliance, and penalties are to be weighed against the severity of the incident.



5 ENVIRONMENTAL AND SOCIAL MANAGEMENT

5.1 ENVIRONMENTAL PERFORMANCE MEASUREMENT

This chapter provides a register of environmental risks and issues, which identifies mitigation and monitoring measures, as well as the responsible roles. This register will be subject to regular review by the exploration manager and updated when necessary.

The exploration manager or the site manager (if applicable) will use this register to undertake monthly inspections (see next section) to ensure the project is compliant with this EMP.

5.2 OBJECTIVES AND TARGETS

Environmental objectives for the project are as follows:

- Zero pollution incidents;
- Minimal vegetation clearing and earthworks;
- Protect local flora and fauna;
- Minimise the generation of waste; and
- Minimal interruption to farm activities.

5.3 REGISTER OF ENVIRONMENTAL RISKS AND ISSUES

An environmental review of the proposed project was completed which identified all the commitments and agreements made within the environmental assessment report. From this, a schedule of environmental commitments and risks has been produced (Table 3), which details deliverables including measures identified for the prevention of pollution or damage to the environment during exploration.

Table 3 provides a register of environmental risks and issues, which identifies mitigation and monitoring measures, as well as the responsible person. This register will be subject to regular review by the exploration manager and updated when necessary. The exploration manager will use this register to undertake monthly inspections to ensure the project is compliant with this EMP.



TABLE 3 - ENVIRONMENTAL RISKS AND ISSUES, AND MITIGATION AND MONITORING MEASURES

ACTIVITY	POTENTIAL IMPACTS	MANAGEMENT / MITIGATION MEASURES	MONITORING REQUIREMENTS	RESPONSIBILITY
Access and site preparation	 Miscommunication with the farm owners; Disruption of farm operations (leaving gates open, loss of farming area and interference at water points); and Potential conflict with farm owners and neighbours (suspicious movement, and poaching, stock theft, field fires, etc.) 	 Ensure documented permission to enter farms is enforced; Farmers should have access to all farm areas at all times; Existing water points and feeding area need to be left; unaffected; Use existing roads for access to avoid new tracks and cut lines; and Compliance with all applicable laws and agreements. 	Daily	Exploration manager or site manager (or nominated site supervisor
	 Potential grievances and complaints; and Social discomfort and anxiety. 	 Develop and implement an environmental and social operation manual or procedures to work on private farms and implement monitoring programmes thereafter; Maintain continuous communication with I&APs to identify concerns and mitigation measures; Compliance with all applicable laws and agreements; Train personnel and raise awareness to sensitize them about contentious issues such as stock theft and poaching; Ensure appropriate supervision of all activities daily; and Accidents and incidents need to be reported to the exploration manager and recorded in the incident register. 	Weekly, monthly	
General onground exploration activities	Residing and nesting organisms can be disturbed, injured or killed by the movement of vehicles and equipment.	 Restrict movements to areas of activities only; Use existing tracks and routes as far as practically possible; Identify rare, endangered, threatened and protected species in advance such as the white or black rhino; Route new tracks around sensitive areas inhabited by protected species (i.e., pangolins, etc.); Restrict movements to daytime hours; Sensitize personnel by training and creating awareness amongst them and notify them to avoid some areas; No driving off designated access routes (into the bush) or any off-road driving; and 	Weekly	

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ACTIVITY	POTENTIAL IMPACTS	MANAGEMENT / MITIGATION MEASURES	MONITORING REQUIREMENTS	RESPONSIBILITY
		No animals or birds may be collected, caught, consumed or removed from the site.		
	 Residing and nesting organisms can be disturbed as a result of ambient noise from operations and movements of vehicles and equipment; and Conflict with farmers and neighbours about rising of ambient noise levels. 	 Restrict excessive noise to areas of activities only; Restrict excessive noise to daytime hours (7 am to 5 pm weekdays and 7 am until 1 pm on Saturdays); No activities are allowed between dusk and dawn; Drill equipment shall be suitably positioned to ensure that noisy equipment is away from receptors; Residents shall be provided at least two weeks' notice of drilling operations within 1 km of their property; All equipment to be shut down or throttled back between periods of use; and Comply with national civil aviation regulations about the use of a drone, if necessary. 	Daily	Site manager (or nominated site supervisor
	- Visual disturbances.	 Position drill equipment and other heavy equipment in such a way that it is out of sight from human receptors; Barriers or fences shall be used if drilling occurs in locations that may affect residents or livestock; Maintain good housekeeping standards on site; and Maintain continuous communication with I&APs to identify concerns and mitigation measures. 	Daily, weekly	
	- Dust and emissions.	 All vehicles and machinery or equipment to be shut down or throttled back between periods of use; Use existing access roads and tracks where possible; Apply dust suppression where possible; Restrict the speed of vehicles (≤ 30km/h); and 	Daily	



ACTIVITY	POTENTIAL IMPACTS	MANAGEMENT / MITIGATION MEASURES	MONITORING REQUIREMENTS	RESPONSIBILITY
	Loss of soil quality due to mixing of	 Specific activities that may generate dust and impact on residents shall be avoided during high wind events. Residents need to be informed at least two weeks in advance that drilling operations are within 1km of their property; Vehicles and machinery are to be regularly serviced according to the manufacturers' specifications and kept in good working order so as to minimise exhaust emissions. Where possible, plan access routes, drill pads and camps 	Weekly	
	earth matter, trampling, compaction and pollution, and - Enhanced soil erosion.	 outside of existing drainage lines; Where necessary, install diversions to curb possible erosion; Restore drainage lines when disturbed; Topsoil should be stockpiled separately, and re-spread during rehabilitation; Limit the possibility of compaction and creation of a hard subsurface, Limit the possibility of trampling; During drilling, oil absorbent matting should be placed under and around the drill rig; Equipment must be in a good condition to ensure that accidental oil spills do not occur and contaminate soil; In the event of spills and leaks, polluted soils must be collected and disposed of at an approved site; and Limit the possibility of mixing mineral waste with topsoil. 		
	Groundwater contamination	 Ensure drill pads and spill kits are in place on site; Consider alternative sites when the water table is too high; Wastewater shall be contained; and Where possible, water from existing water sources shall be used. 	Weekly	
Airborne EM survey (AEM) over the EPL, possible low	 Perceived impact from low-flying EM survey activities on livestock and humans. 	Prior to conducting aerial surveys, both directly and indirectly affected parties should be informed in writing at least 2 weeks prior.	Once-off	-



ACTIVITY	POTENTIAL IMPACTS	MANAGEMENT / MITIGATION MEASURES	MONITORING REQUIREMENTS	RESPONSIBILITY
flying, indication of line spacing		The following information is to be included in the written communication sent to the interested and affected parties. This can be in the form of a Press Notice. Company name; Survey dates, time and duration; Purpose of the survey; Flight altitude; Survey location, map of survey area and flight lines, and Contact details for enquiries.		
Vegetation clearance for access routes, drill sites and temporary contractor camps	 Loss of plant species; Loss of habitat; Create landscape scars; and Loss of Sense of Place. 	 Use existing roads for access to avoid new tracks and cut lines; Minimise clearance areas through proper planning of the exploration activities; Route new tracks around established and protected trees, and clumps of vegetation; Identify rare, endangered, threatened and protected species; During toolbox talks and induction sessions, highlight to workers that the removal of significant plants should be avoided; Where possible rescue and relocate plants of significance; and Promote revegetation of cleared areas upon completion of exploration activities. 	Daily	- Exploration Manager
	Alien plants and weeds can accidentally be introduced.	 All project equipment arriving on site from an area outside of the project or coming from an area of known weed infestations (not present on the project site) should have an internal weed and seed inspection completed prior to such equipment being used; Ensure contractors receive induction on preventing the spread of alien weed; Ensure the potential introduction and spread of alien plants is prevented; 	Monthly	 Employees, contractors Site manager (or nominated site supervisor



ACTIVITY	POTENTIAL IMPACTS	MANAGEMENT / MITIGATION MEASURES	MONITORING REQUIREMENTS	RESPONSIBILITY
		 Ensure the correct removal of alien invasive vegetation and prevent the establishment and spread of alien invasive plants; Eradicate weeds and alien species as soon as they appear; and Make workers aware about alien species and weeds. 		
Fuel handling and storage, maintenance on equipment, machinery and vehicles Inadequate control or accidental release of hazardous substances on site	 Soil contamination; Water contamination; and Enhanced accidental veld fires during high wind periods. 	 Storage Label chemicals appropriately. Chemicals with different hazard symbols should not be stored together - clear guidance on the compatibility of different chemicals can be obtained from the Materials Safety Data Sheets (MSDS) which should be readily available; Store chemicals in a dedicated, enclosed and secure facility with a roof and a concrete floor. Chemical tanks should be completely contained within secondary containment such as bunding; Consider the feasibility of substituting hazardous chemicals with less hazardous alternatives; Storage and handling of fuels and chemicals shall be in compliance with relevant legislation and regulations; and Fuels, lubricants, and chemicals are to be stored within appropriately sized, impermeable bunds or trays with a capacity not less than 110% of the total volume of products stored. Fire risk No open fires are allowed to be lit by personnel, associated with the proponent anywhere on the EPL outside of dedicated campsites; The proponent to ensure that exploration campsites have proper cooking facilities available to use. Gas stoves are the preferred option; 	Daily observationsWeekly inspections	Site manager (or nominated site supervisor



ACTIVITY	POTENTIAL IMPACTS	MANAGEMENT / MITIGATION MEASURES	MONITORING REQUIREMENTS	RESPONSIBILITY
		 No cigarette butts are allowed to be discarded into the environment. These should be contained in appropriate domestic containment bins and disposed of at the local landfill site; No unauthorised movement beyond the exploration areas and campsites is allowed; Proper fire hazard identification signage to be placed in areas that store flammable material (e.g., hydrocarbons and gas bottles); Control and reduce the potential risk of fire by segregating and safe storage of materials; Avoid potential sources of ignition by prohibiting smoking in and around facilities; and Fire extinguishers should always be at designated areas 		
		and should be inspected regularly. Spills Spill kits with the following items as a minimum should be made available on site: - Absorbent materials; - Shovels; - Heavy-duty plastic bags; - Protective clothing (e.g., gloves and overalls); - Major servicing of equipment shall be undertaken offsite or in appropriately equipped workshops; - For small repairs and unavoidable and necessary maintenance activities all reasonable precautions to avoid oil and fuel spills must be taken (e.g., spill trays, impervious sheets); - Provision of adequate and frequent training on spill management, spill response and refueling must be		



ACTIVITY	POTENTIAL IMPACTS	MANAGEMENT / MITIGATION MEASURES	MONITORING REQUIREMENTS	RESPONSIBILITY
		 No refueling is to take place within 50 meters of groundwater boreholes, surface water or streams; Vehicles and machinery are to be regularly serviced to minimise oil and fuel leaks; and All major petroleum product spills (spill of more than 200 liters per spill) should be reported to the Ministry of Mines and Energy (MME) on Form PP/11 titled "Reporting of major petroleum product spill', attached as Appendix B. The following points therefore apply to all areas on the site: Assess the situation for potential hazards; Do not come into contact with the spilled substance until it has been characterised and the necessary Personal 		
		Protective Equipment (PPE) is provided; and - Isolate the area as required. The following measures are to be implemented in response to a spill: - Spills are to be stopped at the source as soon as possible (e.g., close valve or upright drum); - Spilt material is to be contained to the smallest area possible using a combination of absorbent material, earthen bunds or other containment methods; - Spilt material is to be recovered as soon as possible using		
		appropriate equipment. In most cases, it will be necessary to excavate the underlying soils until clean soils are encountered; - All contaminated materials recovered subsequent to a spill, including soils, absorbent pads and sawdust, are to be disposed of at appropriately licensed facilities; and - A written incident report must be submitted to the general manager.		



ACTIVITY	POTENTIAL IMPACTS	MANAGEMENT / MITIGATION MEASURES	MONITORING REQUIREMENTS	RESPONSIBILITY
Generation of waste	 Soil contamination; Water contamination; Nuisance (visual impacts and litter); and Ecological risks. 	 Good housekeeping standards applied on site; Training and raise awareness through toolbox talks and induction; Implement a Standard Operational Procedure (SOP) on waste management, for all kinds of waste possible on-site (e.g., hydrocarbons, domestic, waste water); Implement a culture of correct waste collection, waste segregation and waste disposal, complementary to the waste hierarchy – avoid, re-use, recycle; and Wastewater discharges will be contained – no disposal of wastewater directly into the environment is allowed. 	– Daily and weekly	 Employees, contractors Site manager (or nominated site supervisor
Water use	 Soil contamination; Ground and surface water contamination; and Nuisance (visual and odour). 	 Minimise the operational consumption of water throughout the lifespan of the project; Visual monitoring and a photographic record should be kept of any surface and or groundwater intersected; Recycle wastewater, where possible. Install devices to prevent spills and overfills, e.g., shutoff devices for large volume tanks (e.g., > than 2000lts). Install an impermeable hardstand in areas of high-risk contamination to prevent ground infiltration by pollutants; Segregation of wastewater (domestic and industrial effluent); and During operation, monitoring of wastewater discharges (specific to a wastewater discharge permit conditions) should be conducted on a regular basis (quarterly). 	- Daily inspection of operations	 Exploration Manager Employees, contractors Site manager (or nominated site supervisor



ACTIVITY	POTENTIAL IMPACTS	MANAGEMENT / MITIGATION MEASURES	MONITORING REQUIREMENTS	RESPONSIBILITY
Heritage	 Disruption of heritage sites. 	 In case of discovering or unearthing heritage sites, the following measures (chance-find procedure) shall be applied: Works to cease and the area to be demarcated with appropriate tape by the site supervisor, and the site manager to be informed; The site manager to visit the site and determine whether work can proceed without damage to findings, mark exclusions boundary and inform the environment and social manager with the GPS position if possible If works cannot proceed without damage to findings, the site manager to inform the environmental manager who will get in touch with an archaeologist who will provide advice. Exploration manager or an archaeological specialist to evaluate the significance of the remains and identify appropriate action, for example, record and remove; relocate or leave in situ (depending on the nature and value of the remains); Inform the police if the remains are human, and Obtain appropriate clearance or approval from the competent authority. if required, recover and remove the remains to the national museum or national forensic laboratory as directed. 	- Daily inspection	 General Manager, and Deputy Manager (or nominated supervisor)
Job creation, skills development and business opportunities	Beneficial socio-economic impacts on a local and regional scale.	 Maximise local employment and local business opportunities; Enhance the use of local labour and local skills as far as reasonably possible; and Ensure that goods and services are sourced from the local and regional economy as far as reasonably possible. 	– Monthly	– Exploration Manager



6 IMPLEMENTATION OF THE EMP

Exploration work will be carried out in compliance with the relevant requirements of the Minerals (Prospecting and Mining) Act, 1992. No significant impacts are anticipated for the activities that have been identified. Management and mitigation measures are in place for potential risks.

This EMP:

- A. Has been prepared pursuant to a contract with the proponent;
- B. Has been prepared on the basis of information provided to ECC up to November 2020;
- C. Is for the sole use of the proponent, for the sole purpose of an EMP;
- D. Must not be used (1) by any person other than the proponent or (2) for a purpose other than an EMP; and
- E. Must not be copied without the prior written permission of ECC.

ECC has prepared the EMP on the basis of information provided by the proponent, specialist reports and the environmental scoping report.

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7 APPENDIX A: APPLICATION FOR A WASTEWATER DISCHARGE LICENCE

	DEPARTMENT OF WATER AFF	AIRS & FORESTRY
FAX:	(061) 208 7160	PRIVATE BAG 13184
TEL:	(061) 208 7111	WINDHOEK
REFERENCE	ENO:	NAMIBIA
APPLIC/	ATION FOR A WASTEWATER DIS	CHARGE LICENCE, IN TERMS
OF PAR	T XIV OF THE WATER RESOURC	ES MANAGEMENT ACT, 2004
	24 of 2004 - as published in th of Namibia, No. 3357, of 23 o. 284)	
A. GENE	RAL INSTRUCTIONS	
Application	ons must be submitted in duplicate to: The Permanent Secretary Attn.: Law Administration Ministry of Agriculture, Water and Forestry Private Bag 13184 WINDHOEK	
2. Applicati	on Fee (to accompany this document):	N\$
Section Sectio	ous sections have to be completed as follows: on B & C - All applicants on D - Complete only the part relevant to on E - All applicants (compulsory!)	
4. Only the	relevant Sections that have been filled in need	to be submitted with this application.
5. A separa	te application needs to be filled in for each dif	ferent plant/works.
NAME OF	TREATMENT PLANT/WORKS:	
PLACE:	(e.g. town, settlement)	Coordinates:
	1	



	Name of applicant:			
2.	Address - Contact Person:			
	- Postal:			
	- Physical:			
	- Tel No.:			
	- Fax No.:			
	- E-mail:			
3.	Region in which plant is situated:			
4.	Constituency in which plant falls:			
5.	Type of establishment: (e.g. school, town, industry)			
3.	Source of water supply: (e.g. borehole, river, sea)			
7.	Total water consumption:			m³/day ADWF*
	(*ADWF = Average Dry Weather Flow)			m³/day ADWF*
	 Consumption based on the average usage over a 12-month 			m³/day ADWF*
	period. List different sources separately			m³/day ADWF*
3.	Application: Prepared by:	Name :	Position:	
	(e.g. Consultant)	Signature:	Date:	
	(eig. concentiny)			
	Responsible Executive:	Name :	Position:	
		Signature:	Date:	



C. TECHNICAL DETAILS - GENERAL

Answers to the following information must be contained in this application either from the questionnaire or as an attachment thereto (see also details in Appendix A):

NAME OF TR	EATMENT PLANT/WORKS:	
1. Type of efflu	uent (please also refer to Section D for classifications):	-1-2
2. Site of work	ss:	
	it a site plan indicating the exact location (or intended location) of the works. This plan ste (as a minimum):	should
2.1.1	General location of the works with regards to settlements, main roads, boreholes, rive	ers etc.
2.1.2	Layout plan of property showing all existing and proposed water pipes and efflu drainage lines in distinctive colours.	ent and
2.1.3	Topographical plan/area photograph/contour plans showing the property and treatment plant in relation to residential areas, rivers, pans, dams, lakes and borehold	
2.1.4	Contour plans indicating the exact location of the effluent treatment works and discharge of final effluent in relation to watercourses that drain the area.	point of
2.1.5	Give the following information:	
	2.1.5.1 Distance to nearest inhabitants:	m
	2.1.5.2 Distance to nearest water abstraction point (e.g. river, borehole):	m
	2.1.5.3 Distance to nearest watercourse (e.g. dry river) and specify:	m
	2.1.5.4 Wind direction (main/normal)	

2.2 Submit overall details of works:

- 2.2.1 Type of effluent treatment system and a brief description of its method of operation. (If domestic effluents are dealt with by the local authority please enclose a letter from the authority confirming this agreement).
- 2.2.2 Flow diagram/mass balances to show the present average quantities of incoming water, recycled water, final outflow, seepage and evaporation losses (all in m.3/day).
- 2.2.3 Layout orientation drawing indicating all major treatment units and fence around works.
- 2.2.4 Complete flow diagram and key design parameters to include:
 - 2.2.4.1 Dimensions and design capacities of each unit process;
 - 2.2.4.2 Process Flow Diagram(s) and major instrumentation employed, e.g. water meters;
 - 2.2.4.3 Loadings on the system (e.g. hydraulic, COD, BOD, nitrogen, phosphate);
- 2.2.5 Indicate allowances that have been made for future expansion and increased loads (if any).
- 2.2.6 Methods of sludge disposal or recirculation.
- 2.2.7 Disinfection of the final effluent (indicate dosing type, method, retention period and optimum disinfectant level in final effluent).
- Monitoring boreholes for monitoring groundwater pollution over time must be available within 500 m of the point of final effluent discharge.
- Please note: Additional information is required for new treatment plants (e.g. an environmental impact assessment) - details can be obtained from the Department of Water Affairs and Forestry.
- All relevant information must be included with this application. It is a criminal offence to deliberately withhold vital information relevant to this application. Where applicants are found to be in contravention with this requirement, they may/will be prosecuted.

3



	s should only complete sections relevant to their specific effluent (please tick relevant box):
	D-1: Domestic Effluent - Includes wastewater collected in towns (excluding industrial effluent!), villages, schools, lodges, administration buildings.
	D-2: Industrial Effluent - Includes wastewater generated by any industry, factory, etc.
	D-3: Mining Effluent - Includes wastewater accumulated or collected due to mining operations (e.g. Acid mine wastewater)
	D-4: Combination/mix of various effluents (list major effluent streams on page 11)
cumst ich sh	owable reuse of an effluent is dependent upon its quality as well as many local ances and hence each application in this category needs careful and individual scrutiny, ould be undertaken by a specialist in this field and must be supported by an environmental
pact a	ssessment study.
	ate licence for effluent reuse is required and more details in this regards can be obtained Department of Water Affairs and Forestry.



D-2. INDUSTRIAL EFFLUENTS

	Name:				
2.1	Describe industry and major activities resulting in effluent generation				
2.2	Capacity / Flowrates :				
	Design - Average daily flow		m ³ /d		
	- Peak hourly flow		m ³ /h		
	Actual (if in operation) - Average daily flow		m ³ /d		
	- Peak hourly flow		m ³ /h		
	If ponds are employed, state total surface area		m ²		
2.3	List only major contaminants (also attach full analysis o	of typical effluent sample)			
		,			
	To a of the street and a section of the street are street as				
2.4	Type of treatment employed (give short overview of pro	icess):			
2.5	List major treatment chemicals* employed in the unit pr	incecciae):			
2.0	List major treatment chemicals* employed in the unit process(es):				
2.6	Final effluent quality after treatment (put envisaged final quality for a new plant):				
2.7	Sludge generation:				
,	- Volume generated		m ³ /d		
	- Mass		kg/d (dry solid)		
	- Method of disposal		(dry solid)		
	- Place of disposal				
	- Major constituents				
	- If sludge ponds, state frequency of cleaning				
2.8	Do you employ cleaner production principles (CPP)? If "yes", elaborate:	Yes/No			
2.9	Is the following documentation included (give reason if not)?				
	 Water (and waste) management plan: Decommissioning plan: 	Yes/No Yes/No			

^{*} For the chemicals employed, proper mass balances should be included that show chemical usage, movement and discharge within the factory/process(es). All safety aspects related to handling, storage and disposal of chemicals on site must be followed at all times.



D-4. COMBINATION OF VARIOUS EFFLUENTS

4.1	Describe major activities resulting in effluent general	ion (e.g. type of	industry):				
42	Capacity / Flowrates of different streams (major only)	1	2	3			
4.2	Type (e.g. domestic, industrial, mining, others)						
	Design - Average daily flow		1		m.3/d		
	- Peak hourly flow				m.3/h		
	Actual (if in operation) - Average daily flow				m³/d		
	- Peak hourly flow				m.3/h		
4.4	Type of treatment employed (give short overview of	process)					
4.5	List major treatment chemicals employed in the unit	process(es):					
4.6	Final effluent quality after treatment (put envisaged final quality for a new plant)						
					_		
4.7	Sludge generation:						
	- Volume generated				m.3/d		
	- Mass				kg/d (dry solid)		
	- Method of disposal						
	- Place of disposal						
	- Major constituents						
	- If sludge ponds, state frequency of cleaning						



E. FINAL EFFLUENT DISPOSAL

1.4.1	Where is the final effluent discharged to? (E.g. French drain, pumped out by Local Authority, dry river course, perennial river, etc.)			
1.4.2	IF soakaway, state: - Type of soil - Suitability/porosity of soil - Size of soakaway area - Include topography and plan of soakaway area			
1.4.3	Is there any post-treatment applied? (e.g. disinfection, filtration)			
1.4.4	Is the final effluent re-used? (Yes/No)			
	If "Yes", complete:			
	- Do you have a reuse licence?			
	- Amount of water that will be re-used:	m³/d		
	- For what application:			
	- Type of irrigation used (if applicable):			
	- What crops are grown:			
	- Area of land that will be irrigated:	ha		
1.4.5	Name (if any) downstream users (downstream of discharge point).			
1.4.6	Past records of complaints or objections by people living close to works:			
,				

Reuse:

A reuse licence is required – details can be obtained from the Department of Water Affairs and Forestry.

Irrigation:

The crops allowed to be irrigated are dependent upon effluent quality (details will be supplied on request by the Department of Water Affairs and Forestry).



8 APPENDIX B - REPORTING OF MAJOR PETROLEUM PRODUCT SPILL FORM PP/11

64 Government Gazette 23 June 2000

No. 2357

FORM PP/11

MINISTRY OF MINES AND ENERGY

PETROLEUM PRODUCTS AND ENERGY ACT, 1990 PETROLEUM PRODUCTS REGULATIONS (2000)

REPORTING OF MAJOR PETROLEUM PRODUCT SPILL

(Regulation 49(1))

(Regulation 45(1))	
(Please note that where form is completed by hand it must be completed in capital le	tters)
1. Name of licence/certificate-holder/person	
(*Delete whichever is not applicable)	
2. Postal address	
3. Physical address	
4. Telephone Number (including code)	******
5. Facsimile Number (including code)	
6. Licence/certificate* number and date of issue, if applicable	
(*Delete whichever is not applicable)	
7. Date of petroleum product spill	
8. Location of petroleum product spill	
······································	

9. Reasons for petroleum product spill	



No. 2357	Government Gazette 23 June 2000	65
10. Type of petrole	eum product involved in petroleum product sp	oill

		••••••••••
11. Quantity of the	petroleum product spill	
*******************		*********
	her the petroleum product has or will have any nd the safety and health of person or the propo	

***************************************		***************************************
	etails of all remedial actions taken to minimis oduct spills and all cleaning-up operations ta	
therewith		

DECLARATION		
I,		
I,		
l,hereby declare that	the information submitted by me in this applicat	



9 APPENDIX C - COMPLAINTS REGISTER TEMPLATE

NAME	CONTACT DETAILS	DATE AND LOCATION OF COMPLIANT	NATURE OF COMPLIANT	ACTION TAKEN TO RESOLVE	NOMINATED PERSON TO RESOLVE ISSUE (Signature)	DATE OF RESOLUTION/ CLOSED OUT COMPLAINT



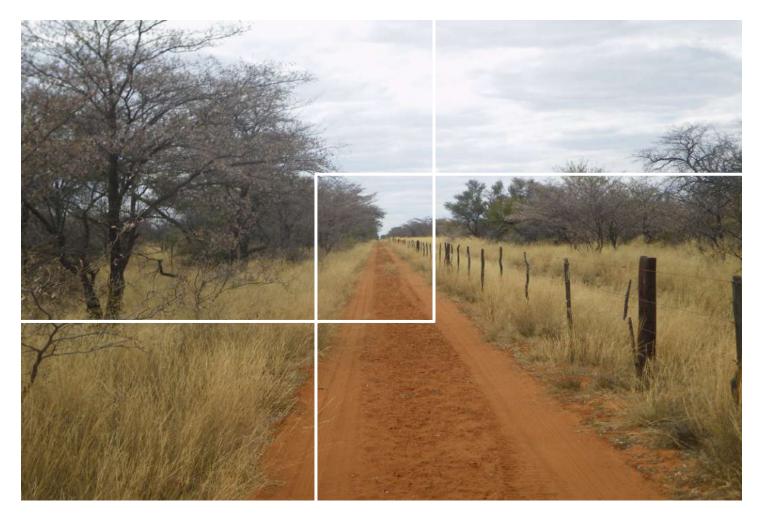
10 APPENDIX D - MONTHLY INTERNAL COMPLIANCE CERTIFICATE

FOR THE PERIOD TO	
MANAGEMENT REPRESENTATIVE:	SIGN:
SHE COORDINATOR:	SIGN:
Date of Submission:	
Key activities on site during the month:	
NON-CONFORMANCE:	
Area of activity:	
Reason:	
Responsible party:	
Results:	

OCTOBER 2020 PAGE 37 OF 38



Correction action taken:
Intended follow-up:
GOOD PERFORMANCE:
Description of activity or action in which the area/person went beyond compliance towards responsible care for the environment:
ADDITIONAL COMMENTS:



Submitted to: Kuiseb Copper Company
(Pty) Ltd
Attention: Dr Branko Corner and Dr
Stephan Dunn
PO Box 2055
Swakopmund

Namibia

REPORT:

EPLS BI-ANNUAL REPORT FOR THE PERIOD JULY TO DECEMBER 2021

PROJECT NUMBER: ECC-113-376-REP-06-A

REPORT VERSION: REV 01/FINAL

DATE: 05 SEPTEMBER 2022





EPLs bi-annual report for the period July to December 2021

Kuiseb Copper Company (Pty) Ltd

TITLE AND APPROVAL PAGE

Project Name: EPLs bi-annual report for the period July to December 2021

Client Company Name: Kuiseb Copper Company (Pty) Ltd

Client Name: Dr Branko Corner and Dr Stephan Dunn

Ministry Reference: ECC-113-376-LET-02-A

Status of Report: Rev 01/Final

Project Number: ECC-113-376-REP-06-A
Date of issue: 05 September 2022

Review Period NA

ENVIRONMENTAL COMPLIANCE CONSULTANCY CONTACT DETAILS:

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EPLs bi-annual report for the period July to December 2021

Kuiseb Copper Company (Pty) Ltd

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DISCLAIMER

Environmental Compliance Consultancy (ECC) (Reg. No. CC 2013/11401) has prepared this biannual environmental report on behalf of the Proponent. This report has been authored by employees of ECC, who have no material interest in the outcome of this report, nor do any of the ECC team have any interest that could be reasonably regarded as being capable of affecting their independence in the preparation of this report. ECC is independent from the Proponent and has no vested or financial interest in the Project, except for fair remuneration for professional fees rendered which are based upon agreed commercial rates. Payment of these fees is in no way contingent on the results of this report or the assessment, or a record of decision issued by Government. No member or employee of ECC is, or is intending to be, a director, officer, or any other direct employee of the Proponent. No member or employee of ECC has, or has had, any shareholding in the project. Any personal views or opinions expressed by the writer may not necessarily reflect the views or opinions of Environmental Compliance Consultancy or its client.



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Kuiseb Copper Company (Pty) Ltd

TERMS AND ABBREVIATIONS

ABBREVIATION	DESCRIPTION
a.m.	ante meridiem
AEM	airborne electromagnetic
CA	consent agreements
ECC	Environmental Compliance Consultancy
e.g.	example
EMP	environmental management plan
EPL	exclusive prospecting licence
etc.	et cetera
GPS	global positioning system
I&APs	interested and affected parties
km	kilometre
km/h	kilometre per hour
KCC	Kuiseb Copper Company (Pty) Ltd
L	litre
MEFT	Ministry of the Environment, Forestry and Tourism
MME	Minsitry of Mines and Energy
MSDS	material safety data sheets
No.	number
p.m.	post meridiem
RES	Remote Exploration Services
RT	Rio Tinto Mining and Exploration Ltd
SOP	standard operating procedure



1 INTRODUCTION

1.1 BACKGROUND INFORMATION

Kuiseb Copper Company (Pty) Ltd (KCC) (referred to as the 'Proponent') and Rio Tinto Mining and Exploration Ltd (RT), through a formal KCC-RT joint venture agreement, permits KCC to fully operate the exploration programme for nineteen approved exclusive prospecting licences (EPLs) for base and rare metals, and precious metals in the Khomas and Omaheke regions.

The overall exploration project EPLs are located as per the following regions:

- Khomas region: EPLs 7730, 7731, 7732, 7538, 7539 and 7542
- Omaheke region: EPLs 7528, 7529, 7530, 7531, 7532, 7533, 7534, 7535, 7536, 7537, 7540, 7541 and 7543

Exploration is a listed activity in terms of the Environmental Management Act, No.7 of 2007, and Regulations (2012). Currently a standalone environmental management plan (EMP) is compiled and approved for all the EPLs as per the environmental clearance certificate issued by the Ministry of Environment, Forestry and Tourism (MEFT) per EPL. Additionally, an environmental clearance certificate was issued for an airborne electromagnetic (AEM) survey which was conducted over 15 of the EPLs. The conditions and commitments of these documents must be adhered to during all exploration activities. Figure 1 provides a satellite locality overview of each EPL.

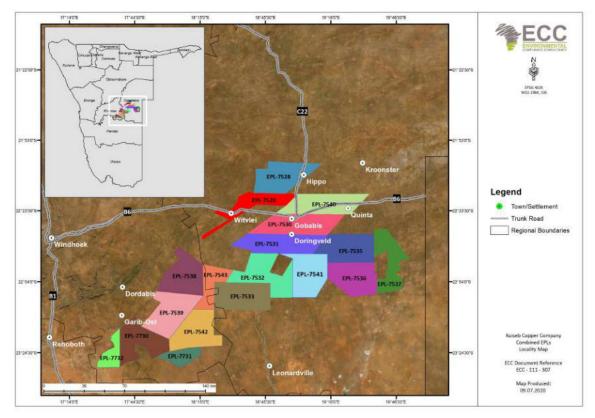


Figure 1 - Site satellite locality image of the listed EPLs



1.2 Purpose of this document

Environmental Compliance Consultancy (ECC) has been engaged by the Proponent to compile the bi-annual report for all listed EPLs for the period of July to December 2021. This report details the activities conducted by the Proponent during this reporting period. This includes details on the approved AEM survey conducted during the period under review (18 November 2021 to 17 February 2022). The aim of the report is to determine if the Proponent was compliant in terms of the requirements of the approved EMP. Due to the limited ground activities conducted on the EPLs during the reporting period, only one physical audit was conducted on EPL 7536 by ECC staff on 15 October 2021, covering the period 29 September to 4 October 2021, during which a soil sampling campaign took place. Compliance to the EMP for this activity will further be discussed in this report.

1.3 Proponent details

Kuiseb Copper Company (Pty) Ltd is a Namibian company in a joint venture with Rio Tinto Mining and Exploration Ltd, which is a global company. The exploration program is managed by Remote Exploration Services (RES), a South African company. The Proponents details are set out in Table 1.

Table 1 - Proponent details

Contact	Postal Address	Email Address	Telephone
Kuiseb Copper Company	P O Box 2055	branko@iafrica.com.na	+264 81 124 6757
(Pty) Ltd	Swakopmund	stephan@res.co.za	+264 81 274 3848
Remote Exploration	Namibia		
Services			

EPLs bi-annual report for the period July to December 2021

Kuiseb Copper Company (Pty) Ltd

2 EXPLORATION ACTIVITIES

During the period under review, the two main activities took place, i) soil sampling on EPL 7536 and ii) an AEM survey covering 15 EPLs. These are listed as the following:

- Kuiseb Copper: EPLs 7730, 7732
- Rio Tinto: EPLs 7528, 7529, 7530, 7531, 7535, 7536, 7537, 7538, 7539, 7540, 7541, 7542,
 7543

No complaints were received from interested and affected parties (I&APs) during the period under review. No environmental incidents were recorded during the reporting period. A review of the compliance of the EMP commitments can be found in the table in section 3. Any recommendations will be discussed and presented in section 4.

Future work includes additional soil sampling, air core drilling and diamond drilling at select target sites.

2.1 LANDOWNER LIAISON

Engagements with the various farm owners or managers took place before soil sampling activities commenced on EPL 7536. Figure 2 provides a locality overview of the affected farm boundaries and farm numbers.

Prior to commencement of the AEM survey, formal consent agreements (CA) were signed by a total of 125 farm owners. During the operations of the survey, each farm owner was notified on a daily basis of the commencement of coverage over their farms. The survey did not take place on days where weather conditions were not favourable (e.g. rain, strong winds) or instrument breakdowns. **Error! Reference source not found.** E provides a list of the farmers that consulted during the process in order for the survey to proceed. Take note that this is a full list of the consultation and not all farm owners signed consent agreements if there was no planned AEM coverage.

Figure **3** provides a visual overview of the AEM survey activities that were conducted.



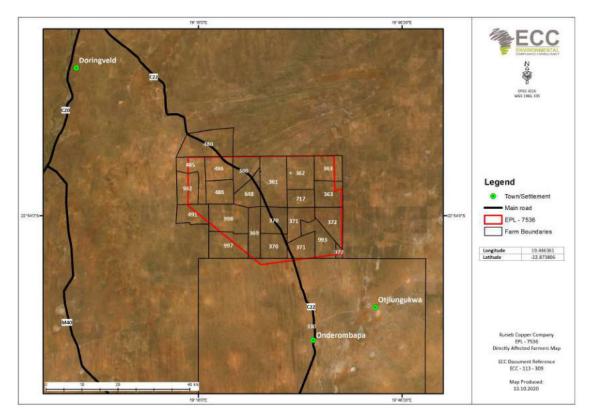


Figure 2 - Locality map of EPL 7536 with farm boundaries



Figure 3 - AEM survey in operation, on take off



EPLs bi-annual report for the period July to December 2021

Kuiseb Copper Company (Pty) Ltd

2.2 SOIL SAMPLING

Geological fieldwork was conducted between 29 September to 04 October 2021 on EPL 7536. Thirteen personnel were employed during the period under review, all staff were male. Nine employees are categorised as unskilled and four persons on a management level (geologists, geotechnicians).



3 EXPLORATION EMP COMPLIANCE AUDIT

This section provides an overview of the compliance with EMP requirements as depicted in the approved EMP for all EPLs (Appendix A). Overall compliance to the EMP was scored as 85.19 % for the audit conducted on EPL 7536, with seven recorded non-compliances.

Table 2 - Exploration EMP compliance audit

Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Access and site preparation	 Miscommunication with the farm owners, Disruption of farm operations (leaving gates open, loss of farming area, interference at waterpoints) Potential conflict with farm owners and neighbours (suspicious movement, poaching, stock theft, field fires, etc.). 	 Ensure documented permission to enter farms is enforced, Farmers should have access to all farm areas at all times, Existing water points and feeding area need to be left, unaffected, Use existing roads for access to avoid new tracks and cut lines, Compliance with all applicable laws and agreements. 	- Compliant	- Open communication and landowner liaison with farm owners/managers where activities have taken place during the reporting period.
	 Potential grievances and complaints, Social discomfort and anxiety 	 Develop and implement an environmental and social operation manual or procedures to work on private farms and implement monitoring programmes thereafter, Maintain continuous communication with interested and affected parties (I&APs) to identify concerns and mitigation measures, 	- Non compliance	 All employees and contracted labourers need to undergo training on awareness of stock theft and poaching as it is a requirement in the EMP.



EPLs bi-annual report for the period July to December 2021

Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		- Compliance with all applicable laws		 No proof of training is
		and agreements,		available as no formal
		- Train personnel and raise awareness		training took place.
		to sensitize them about contentious		 An incident register
		issues such as stock theft and		needs to be made and
		poaching,		implemented.
		- Ensure appropriate supervision of all		 Contractors staying or
		activities daily,		site need to be
		 Accidents and incidents need to be 		informed about the
		reported to exploration manager and		prohibition on
		recorded in the incident register.		poaching any wildlife.



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
General exploration activities	- Residing and nesting organisms can be disturbed, injured or killed by movement of vehicles and equipment	 Restrict movements to areas of activities only, Use existing tracks and routes as far as practically possible, Identify rare, endangered, threatened and protected species in advance such as the white or black rhino, Route new tracks around sensitive areas inhabited by protected species (i.e., pangolins, etc.), Restrict movements to daytime hours, Sensitize personnel by training and creating awareness amongst them and notify them to avoid some areas, No driving off designated access routes (into the bush) or any off-road, No animals or birds may be collected, caught, consumed or removed from site. 	- Non compliant for EPL 7536 audit - Compliant for AEM survey activities	 All personnel need to be trained and need to know which areas need to be avoided. Proof of training needs to be provided. For the AEM survey, mitigation measures number 3 and 6 were fully adhered too and implemented. KCC further advised a bird specialist to monitor vulture chick response. No issues were reported.
	 Residing and nesting organisms can be disturbed as a result of ambient noise from operations and movements of vehicles and equipment 	 Restrict excessive noise to areas of activities only, Restrict excessive noise to daytime hours (7 am to 5 pm weekdays and 7 am until 1 pm on Saturdays), 	- Compliant	Activities restricted to daytime and communication with farmers held in



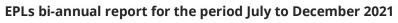
EPLs bi-annual report for the period July to December 2021

Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
	- Conflict with farmers and	- No activities are allowed between dusk		advance of activities
	neighbours about rising of	and dawn,		taking place.
	ambient noise levels	– Drill equipment shall be suitably		
		positioned to ensure that noisy		
		equipment is away from receptors,		
		– Residents shall be provided at least		
		two weeks' notice of drilling operations		
		within 1 km of their property,		
		All equipment to be shut down or		
		throttled back between periods of use,		
		Adhere to civil aviation regulations		
		about the use of a drone, if necessary.		
	- Visual disturbances	Position drill equipment and other heavy	– Compliant	- No complaints received
		equipment in such a way that it is out of		during the reporting
		sight from human receptors;		period.
		Barriers or fences shall be used if drilling		 Only soil sampling
		occurs in locations that may affect		conducted during the
		residents or livestock		reporting period, no
		Maintain good housekeeping standards on		drilling activities.
		site,		- The Proponent will
		Maintain continuous communication with		ensure EMP
		I&APs to identify concerns and mitigation		requirements are
		measures.		adhered to and
				mitigation measures



EPLs bi-annual report for the period July to December 2021

Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
				implemented where
				required.
	- Dust and emissions	All vehicles and machinery or	 Compliant 	 Existing access tracks
		equipment to be shut down or		used.
		throttled back between periods of use,		- Only soil sampling
		 Use existing access roads and tracks 		conducted, which is an
		where possible,		invasive exploration
		 Apply dust suppression where 		technique and dust
		possible,		emissions only from
		- Restrict the speed of vehicles (<30		vehicles.
		km/h),		
		 Specific activities that may generate 		
		dust and impact on residents shall be		
		avoided during high wind events,		
		- Residents need to be informed at least		
		two weeks in advance that drilling		
		operations are within 1km of their		
		property,		
		- Vehicles and machinery are to be		
		regularly serviced according to the		
		manufacturers' specifications and kept		
		in good working order so as to		
		minimise exhaust emissions.		



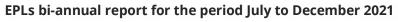


Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
	 Loss of soil quality due to mixing of earth matter, trampling, compaction, and pollution, Enhanced soil erosion 	 Where possible, plan access routes, drill pads and camps outside of existing drainage lines, Where necessary, install diversions to curb possible erosion, Restore drainage lines when disturbed, Topsoil should be stockpiled separately, and re-spread during rehabilitation, Limit the possibility of compaction and creating of a hard subsurface, Limit the possibility of trampling, During drilling oil absorbent matting should be placed under and around the rig, Equipment must be in a good condition to ensure that accidental oil spills do not occur and contaminate soil, In the event of spills and leaks, polluted soils must be collected and disposed of at an approved site, Limit the possibility of mixing mineral waste with topsoil. 	- Compliant	- Existing access tracks used and no soil contamination from light delivery vehicles reported.
	- Groundwater contamination	 Ensure drill pads and spill kits are in place on site, 	– Non compliance	 There are no effluent systems on site.



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		 Consider alternative sites when the water table is too high, Wastewater shall be contained, Where possible, water from existing water sources shall be used. 		
Airborne EM	- Perceived impact from low-	- Prior to conducting aerial surveys, both	– Compliant	- Prior to conducting
survey (AEM) over the EPL,	flying EM survey activities on livestock and humans.	directly and indirectly affected parties		aerial surveys, both directly and indirectly
possible low	on livestock and numans.	should be informed in writing at least 2		affected parties were
flying,		weeks prior, The following information is to be		informed in writing at
indication		included in the written communication		least 2 weeks prior to
of line spacing		sent to the interested and affected		commencement, and
or mic spacing		parties. This can be in the form of a		verbally 2 days prior to
		Press Notice;		flights over specific
		Company name,		farms. A total of 125
		 Survey dates, time and duration, 		CAs were signed byat
		o Purpose of the survey,		least 2 weeks prior,
		o Flight altitude,		I&APs.
		Survey location, map of survey area		 Engagements took
		and flight lines, and		place as required and
		o Contact details for enquiries.		daily notifications were
				sent to farm owners
				during the survey
				activities.
				 No issues reported

05 SEPTEMBER 2022

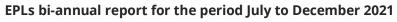




Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Vegetation clearance for access routes, drill pads and temporary contractor camps	 Loss of plant species Loss of habitat Create landscape scars Enhance erosion Loss of sense of place 	 Use existing roads for access to avoid new tracks and cut lines, Minimise clearance areas through proper planning of the exploration activities, Route new tracks around established and protected trees, and clumps of vegetation, Identify rare, endangered, threatened and protected species, During toolbox talks and induction, highlight to workers that the removal of significant plants should be avoided, Where possible rescue and relocate plants of significance, Promote revegetation of cleared areas upon completion of exploration activities. 	- Compliant	 Exisiting access tracks used and no disturbance to vegetation required. The Proponent will ensure EMP requirements are adhered to and mitigation measures implemented where required.
	Alien plants and weeds can accidentally be introduced	 All project equipment arriving on site from an area outside of the project or coming from an area of known weed infestations (not present on the project site) should have an internal weed and seed inspection completed prior to equipment being used, 	- Compliant	 No non-conformances reported. The Proponent will ensure EMP requirements are adhered to and mitigation measures

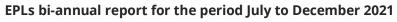


Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		 Ensure contractors receive induction on spread of alien weed, Ensure the potential introduction and spread of alien plants is prevented, Ensure the correct removal of alien invasive vegetation and prevent the establishment and spread of alien invasive plants, Eradicate weeds and alien species as soon as they appear, Make workers aware about alien species and weeds. 		implemented where required.
Fuel handling	 Soil contamination 	Storage	- Non	- The exploration team
and storage,	– Water contamination	– Label chemicals appropriately,	compliance	does not make fire on
maintenance	Enhance accidental veld	- Chemicals with different hazard		site for food or coffee
on equipment,	fires during high wind	symbols should not be stored together		water that can cause a
machinery and	periods	- clear guidance on the compatibility of		fire.
vehicles		different chemicals can be obtained		 The company health
		from the material safety data sheets		and safety policy needs
Inadequate		(MSDS) which should be readily		to be consulted with
control or		available,		regards to the number
accidental		- Store chemicals in a dedicated,		and type of fire
releases of		enclosed, and secure facility with a roof		extinguishers needed
hazardous		and concrete floor. Chemical tanks		for each type of
		should be completely contained within		equipment and activity.



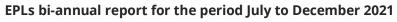


Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
substances on		secondary containment such as		
site		bunding,		
		 Consider the feasibility of substituting 		
		hazardous chemicals with less		
		hazardous alternatives,		
		 Storage and handling of fuels and 		
		chemicals shall be in compliance with		
		relevant legislation and regulations,		
		– Fuels, lubricants, and chemicals are to		
		be stored within appropriately sized,		
		impermeable bunds or trays with a		
		capacity not less than 110% of the total		
		volume of products stored.		
		Fire risk		
		No open fires are allowed to be lit by		
		personnel, associated with the proponent		
		anywhere on the EPL outside of dedicated		
		campsites,		
		The proponent to ensure that exploration		
		campsites have proper cooking facilities		
		available to use. Gas stoves are the		
		preferred option,		
		No cigarette butts are allowed to be		
		discarded into the environment. These		





Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		should be contained in appropriate		
		domestic containment bins and disposed		
		of at the local landfill site,		
		No unauthorised movement beyond the		
		exploration areas and campsites is		
		allowed,		
		Proper fire hazard identification signage to		
		be placed in areas that store flammable		
		material (e.g., hydrocarbons		
		and gas bottles),		
		Control and reduce the potential risk of		
		fire by segregating and safe storage of		
		materials,		
		Avoid potential sources of ignition by		
		prohibiting smoking in and around		
		facilities,		
		Fire extinguishers should always be at		
		designated areas and should be inspected		
		regularly.		
		Spills		
		- Spill kits with the following items as a		
		minimum should be made available on		
		site:		
		 Absorbent materials, 		





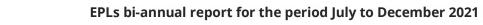
Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		o Shovels,		
		 Heavy-duty plastic bags, 		
		o Protective clothing (e.g., gloves and		
		overalls),		
		 Major servicing of equipment shall be 		
		undertaken offsite or in appropriately		
		equipped workshops,		
		- For small repairs and unavoidable and		
		necessary maintenance activities all		
		reasonable precautions to avoid oil		
		and fuel spills must be taken (i.e., spill		
		trays, impervious sheets),		
		 Provision of adequate and frequent 		
		training on spill management, spill		
		response and refueling must be		
		provided to all onsite personnel,		
		- No refueling is to take place within 50		
		meters of groudnwater boreholes,		
		surface water or streams.		
		– Vehicles and machinery are to be		
		regularly serviced to minimise oil and		
		fuel leaks,		
		- All major petroleum product spills (spill		
		of more than 200 litres per spill)		
		should be reported to the Ministry of		



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		Mines and Energy (MME) on Form		
		PP/11 titled "Reporting of major		
		petroleum product spill', attached as		
		Appendix B.		
		The following points therefore apply to		
		all areas on the site:		
		Assess the situation for potential		
		hazards,		
		 Do not come into contact with the 		
		spilled substance until it has been		
		characterised and necessary personal		
		protective equipment (PPE) is provided,		
		– Isolate the area as required.		
		The following measures are to be		
		implemented in response to a spill:		
		 Spills are to be stopped at source as 		
		soon as possible (e.g. close valve or		
		upright drum),		
		- Spilt material is to be contained to the		
		smallest area possible using a		
		combination of absorbent material,		
		earthen bunds or other containment		
		methods,		

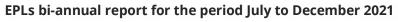


- Spilt material is to be recovered as soon as possible using appropriate equipment. In most cases, it will be necessary to excavate the underlying soils until clean soils are encountered, - All contaminated materials recovered subsequent to a spill, including soils, absorbent pads and sawdust, are to be disposed to appropriately licensed facilities, - A written incident report must be submitted to the general manager. Praining and raise awareness through toolbox talks and induction, - Implement a standard operational procedure (SOP) on waste management, from all kinds of waste possible on-site (e.g. hydrocarbons, domestic, waste water), - Implement a culture of correct waste collection, waste segregation and waste disposal, complimentary to the	 Dimpliant – Limited activities during the reporting period with limited staff. No non-conformances reported. Waste taken into the EPL is removed and disposed of offsite. The Proponent will ensure EMP requirements are adhered to and



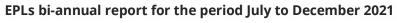


Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		waste hierarchy – avoid, re-use, recycle, - Wastewater discharges will be contained – no disposal of waste water directly into the environment is allowed.		mitigation measures implemented where required.
Water use	 Soil contamination Ground and surface water contamination Nuisance (visual and odour) 	 Minimise the operational consumption of water throughout the operations of the project, Visual monitoring and photographic record should be kept of any surface and / or groundwater intersected, Recycle wastewater, where possible, Install devices to prevent spills and overfills, e.g. shutoff devices for large volume tanks (e.g. > than 2000 L), Install an impermeable hardstand in areas of high-risk contamination to prevent ground infiltration by pollutants, Segregation of wastewater (domestic and industrial effluent), During operations, monitoring of wastewater discharges (specific to a wastewater discharge permit 	- Complaint	 Limited activities during the reporting period with limited staff. No non-conformances reported. No water utilised or disturbance to water sources. No waste water facilities on site. The Proponent will ensure EMP requirements are adhered to and mitigation measures implemented where required.





Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		conditions) should be conducted on a		
		regular basis (quarterly).		
Heritage	Disruption of heritage sites	In case of discovering or unearthing	- Compliant	 Non observed during
		heritage sites, particularly palaeontological		the reporting period.
		or archaeological finds, the following		– The Proponent will
		measures (chance find procedure) shall be		ensure EMP
		applied:		requirements are
		- Work to cease, area to be demarcated		adhered to and
		with appropriate tape by the site		mitigation measures
		supervisor, and the site manager to be		implemented where
		informed,		required.
		- The site manager to visit the site and		
		determine whether work can proceed		
		without damage to findings, mark		
		exclusions boundary and inform the		
		environment and social manager with		
		the GPS position if possible,		
		 If works cannot proceed without 		
		damage to findings, the site manager		
		to inform the environmental manager		
		who will get in touch with an		
		archaeologist who will provide advice,		
		- Exploration manager or archaeological		
		specialist to evaluate the significance		
		of the remains and identify		





Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		 appropriate action, for example, record and remove; relocate or leave in situ (depending on the nature and value of the remains) Inform the police if the remains are human, and Obtain appropriate clearance or approval from the competent authority, if required, and recover and remove the remains to the national museum or national forensic laboratory as directed. 		
Job creation, skills development and business opportunities	Beneficial socio-economic impacts on a local and regional scale	 Maximise local employment and local business opportunities, Enhance the use of local labour and local skills as far as reasonably possible, Ensure that goods and services are sourced from the local and regional economy as far as reasonably possible. 	- Compliant	 14 Staff empployed during the reporting period, whereby 9 locals were employed for unskilled labour. The Proponent will ensure EMP requirements are adhered to and mitigation measures implemented where required durign active field campaigns.



Kuiseb Copper Company (Pty) Ltd

4 CONCLUSION

Seven environmental non-conformances in line with the EMP requirements were noted during the period under review for the audit conducted in October 2021 for the soil sampling campaign on EPL 7536. Conclusions drawn from the audit are listed as follows:

- Training was not provided to the contracted employees that conducted the soil sampling on site. Even though staff not left alone and are always supervised, they still need to undergo training on poaching, stock theft and what areas should be avoided to be able to be compliant with the regulations of the EMP;
- Registers need to be developed to keep account of incidents on site;
- Fire extinguishers need to be available in the event of fire; and
- The company policy needs to be consulted with regards to fire extinguishers and vehicles.

These non-conformances have been addressed by the Proponent and will further be discussed during the next reporting period.

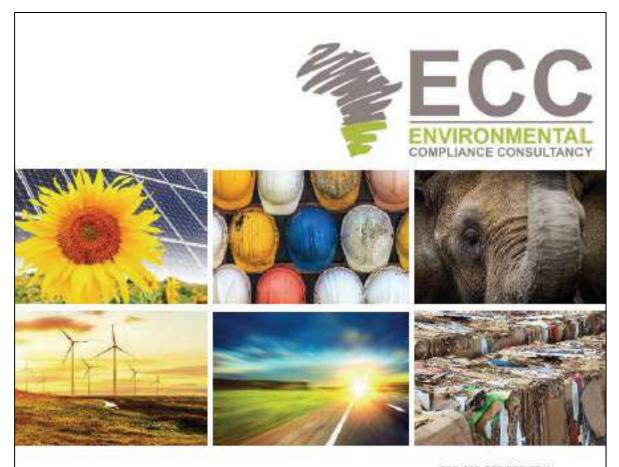
Landowner liaison took place accordingly with landowners before soil sampling activities could be conducted. Fieldwork involved utilising existing access tracks and walking where driving was not possible. Sampling techniques during the soil sampling were non-invasive and therefore no rehabilitation was required to be conducted.

The AEM survey was conducted from September to December 2021 during the reporting period and further extended into the next reporting period (up until February 2022). All farm owners were contacted residing on each EPL and compensation agreements were signed with 125 farm owners. Communication regarding the survey was daily in order to ensure farm owners are informed of the activities and to remediate any immediate concerns that might arise. The AEM survey was conducted over EPLs 7528, 7529, 7530, 7531, 7535, 7536, 7537, 7538, 7539, 7540, 7541, 7542, 7543, 7730 and 7732.

Therefore, no activities were conducted on EPLs 7731, 7532, 7533 and 7534 during the reporting period. It is thus concluded that EMP compliance would therefore be in order for these EPLs.



APPENDIX A – EXPLORATION ENVIRONMENTAL MANAGEMENT PLAN FOR ALL EPLS



ECC-113-309-REP-65-A

ENVIRONMENTAL MANAGEMENT PLAN

EXPLORATION ACTIVITIES FOR BASE AND RARE METALS, PRECIOUS METALS, KHOMAS AND OMAHEKE REGIONS

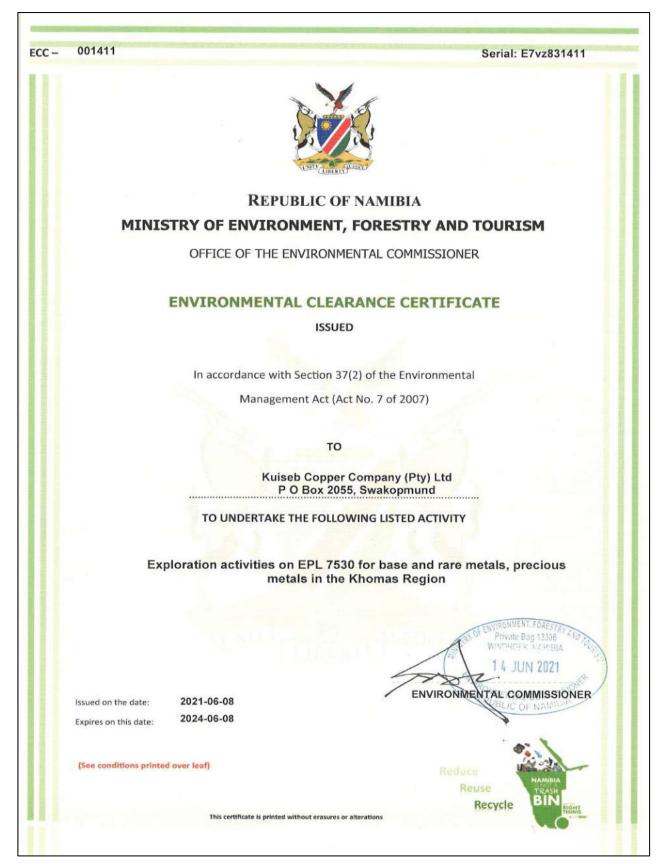
PREPARED FOR KUISEB COPPER COMPANY (PTY) LTD

DECEMBER 2020

PO BOX 91783 Windows Names Environmental Compliance Considercy CC CC/7013/11404



APPENDIX B – KCC EPLS ENVIRONMENTAL CLEARANCE CERTIFICATES (KHOMAS REGION)





Kuiseb Copper Company (Pty) Ltd

ECC - 01420 Serial: ND6O291420



REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental

Management Act (Act No. 7 of 2007)

TO

Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Exploration activities on EPL 7732 for base and rare metals, precious metals, Khomas Region.

Issued on the date:

2021-06-14

Expires on this date:

2024-06-14

(See conditions printed over leaf)

This certificate is printed without erasures or alterations

REV 01/FINAL

ECC Report Nº: ECC-113-376-REP-06-A

Reduce
Reuse
Recycle
BIN

Private Bag 13306

2 · 1.5 JUN 2021

ENVIRONMENTAL COMMISSIONER

Kuiseb Copper Company (Pty) Ltd

ECC - 001405 Serial: tGM99R1405



REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental

Management Act (Act No. 7 of 2007)

то

Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Exploration activities on EPL 7538 for base and rare metals, precious metals in the Khomas Region

ENVIRONMENTAL COMMISSIONER

Reuse Recycle

Private Bag 13396 WINDHOFK NAMIBIA

14 JUN 2021

ONMENTAL COMMISSIE

Issued on the date: 2021-06-08

Expires on this date: 2024-06-08

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REV 01/FINAL ECC Report №: ECC-113-376-REP-06-A

Kuiseb Copper Company (Pty) Ltd

ECC - 001406 Serial: sjleQF1406



REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental

Management Act (Act No. 7 of 2007)

TO

Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Exploration activities on EPL 7539 for base and rare metals, precious metals in the Khomas Region

Issued on the date:

2021-06-08

Expires on this date:

2024-06-08

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Reduce Reuse Recycle NAMERA TRASH BIN

Private Bag 13306

ENVIRONMENTAL COMMISSIONER

JUN 7021

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APPENDIX C – KCC EPLS ENVIRONMENTAL CLEARANCE CERTIFICATES (OMAHEKE REGION)





Kuiseb Copper Company (Pty) Ltd

ECC -001402 Serial: cMbgQk1402 REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM OFFICE OF THE ENVIRONMENTAL COMMISSIONER **ENVIRONMENTAL CLEARANCE CERTIFICATE** ISSUED In accordance with Section 37(2) of the Environmental Management Act (Act No. 7 of 2007) TO Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY Exploration activities on EPL 7530 for base and rare metals, precious metals in the Omaheke Region Private Bag 13334 West Holes with Marketina 0.9 JUN 2021 ENVIRONMENTAL COMMISSIONER issued on the date: 2021-06-08 2024-06-08 Expires on this date: (See conditions printed over leaf) Heuse



Kuiseb Copper Company (Pty) Ltd

ECC - 01223

Serial: G2ifZO1223



REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental

Management Act (Act No. 7 of 2007)

TO

Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Exploration activities on EPL 7532 for base and rare metals, precious metals, Omaheke Region.

Issued on the date:

2021-02-09

Expires on this date:

2024-02-09

(See conditions printed over leaf)

Reduce Reuse Recycle

NAMIBIA TRASH BIN

Private Bag 13306

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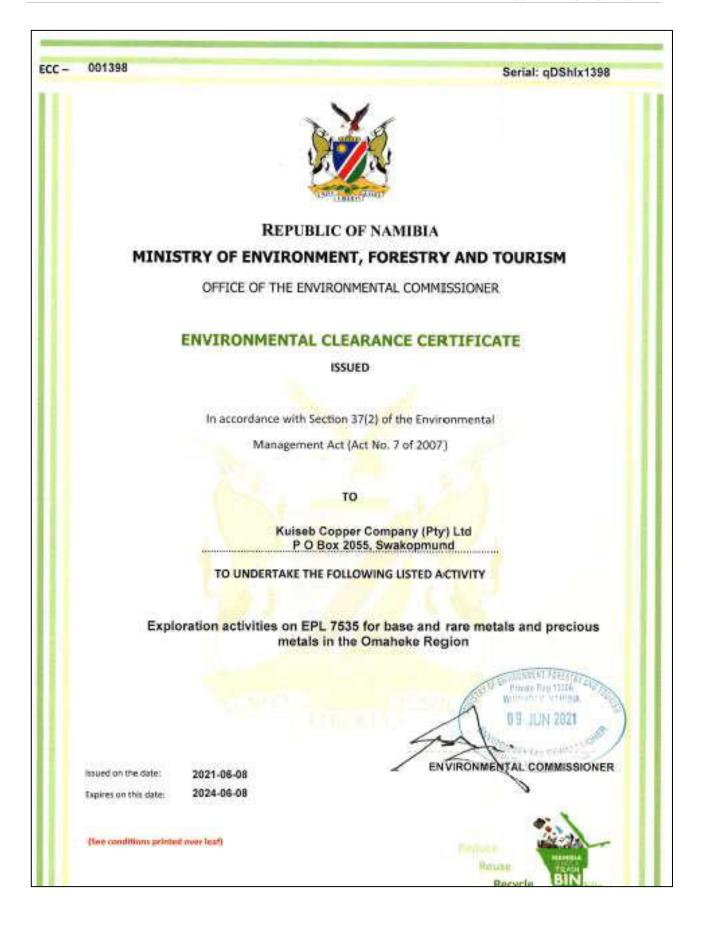
ENVIRONMENTAL COMMISSIONER

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REV 01/FINAL ECC Report №: ECC-113-376-REP-06-A

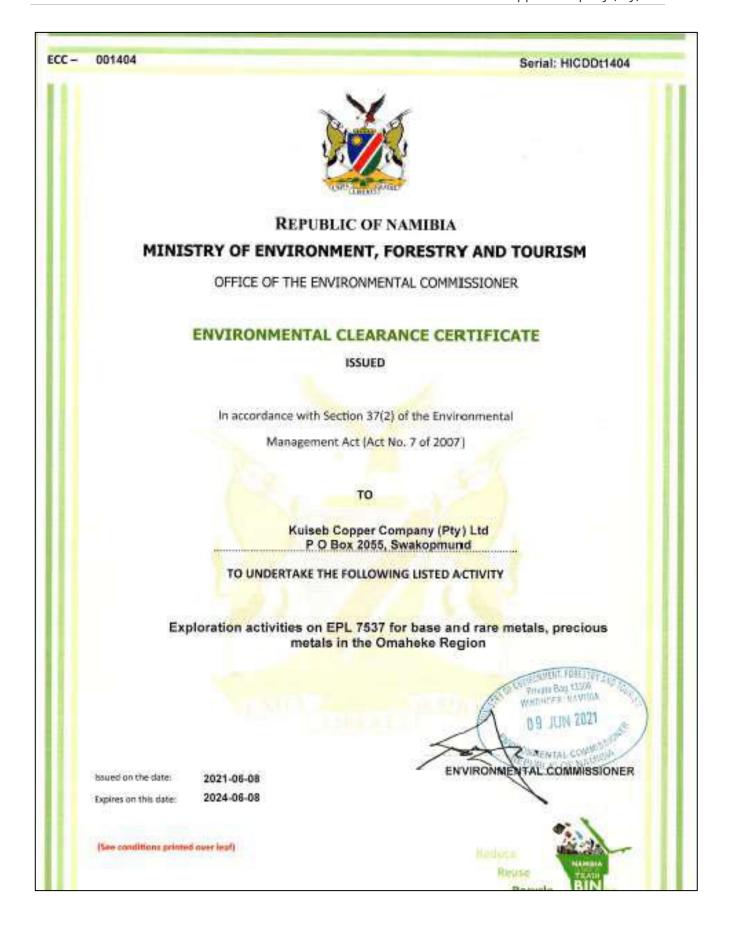






Kuiseb Copper Company (Pty) Ltd

01419 ECC -Serial: e9KZaY1419 REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM OFFICE OF THE ENVIRONMENTAL COMMISSIONER **ENVIRONMENTAL CLEARANCE CERTIFICATE** ISSUED In accordance with Section 37(2) of the Environmental Management Act (Act No. 7 of 2007) Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY Exploration activities on EPL 7536 for base and rare metals and precious metals, Omaheke Region. Private Bag 13306 WINDHOEK, NAMBIA 15 JUN 2021 ENVIRONMENTAL COMMISSIONER 2021-06-14 Issued on the date: 2024-06-14 Expires on this date: (See conditions printed over leaf) Reuse Recycle This certificate is printed without erasures or alteration





Kuiseb Copper Company (Pty) Ltd

ECC -001408 Serial: Ocme2F1408 REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM OFFICE OF THE ENVIRONMENTAL COMMISSIONER **ENVIRONMENTAL CLEARANCE CERTIFICATE** ISSUED In accordance with Section 37(2) of the Environmental Management Act (Act No. 7 of 2007) TO Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY Exploration activities on EPL 7541 for base and rare metals, precious metals in the Omaheke Region Private Bag 13308 Ventración visitoly A 0 9 JUIN 2021 ENVIRONMENTAL COMMISSIONER Issued on the date: 2021-06-08 2024-06-08 Expires on this date: (See conditions printed over leaf) Reuse







APPENDIX D – KCC AIRBORNE ELECTROMAGNTEIC (AEM) SURVEY ENVIRONMENTAL CLEARANCE CERTIFICATE





APPENDIX E – FARM OWNERS THAT WERE CONSULTED IN ORDER FOR THE AEM SURVEY TO BE CONDUCTED

FARM NUMBER	FARM NAME	REGION
68/REM	Den Haag	Khomas
68/04 or 03	Den Haag/ Kuile	Khomas
194/02	Ellof	Khomas
60	Girib Ost	Khomas
65	Gravestein	Khomas
70	Hannover	Khomas
887	Hexenkesset	Khomas
66	Kous	Khomas
142	Lekkerwater	Khomas
71/REM	St Elmo	Khomas
71/01	St Elmo	Khomas
67	Versailles	Khomas
267	Kuwinamab	Khomas
247/R/A	Achenib	Khomas
247/REM	Achenib	Khomas
247/04	Achenib	Khomas
247/3/A	Achenib	Khomas
247/02/A	Achenib South	Khomas
296	Aida	Khomas
237	Alice	Khomas



250	A (- ()	IZI
	Anstatt	Khomas
222/REM	Arnhem	Khomas
222/01	Arnhem	Khomas
230	Constance	Khomas
68 /04?	Den Haag/ Verona	Khomas
248/REM	Doornpoort	Khomas
248/01	Doornpoort	Khomas
227	Doreen	Khomas
254/01	Eulenruh	Khomas
254/REM	Eulenruh	Khomas
244	Evril	Khomas
242	Faith	Khomas
263	Goliath	Khomas
272/REM	Graswereld	Khomas
272/01	Graswereld	Khomas
247/05	Gumgams	Khomas
231	Helene	Khomas
243	Норе	Khomas
226	Josephine	Khomas
239/REM	Julia	Khomas
239/01	Julia	Khomas
344/01	Klausgrund	Khomas
344/REM	Klausgrund	Khomas
73/02	Klein Nauas	Khomas



73/REM	Klein Nauas	Khomas
238/REM	Neili Nauds	KHUHIdS
ZSO/REIVI	Klippiespan	Khomas
233/02	Kowas	Khomas
233/REM	Kowas	Khomas
297	Lacockshoop	Khomas
252	Lauwater Ost	Khomas
265	Lauwater South	Khomas
251	Lauwater West	Khomas
229	Loraine	Khomas
238	Marguerite	Khomas
268	Nautabis	Khomas
241/REM	Nina	Khomas
241/01	Nina	Khomas
241/02	Nina	Khomas
253/REM	Nonikam	Khomas
253/04	Nonikam	Khomas
218	Okambuka	Khomas
240	Olive	Khomas
225	Otjimbondona	Khomas
255	Pommernhagen	Khomas
232	Renette	Khomas
916	Rice	Khomas
273	Rooiwater North	Khomas
274	Rooiwater South	Khomas



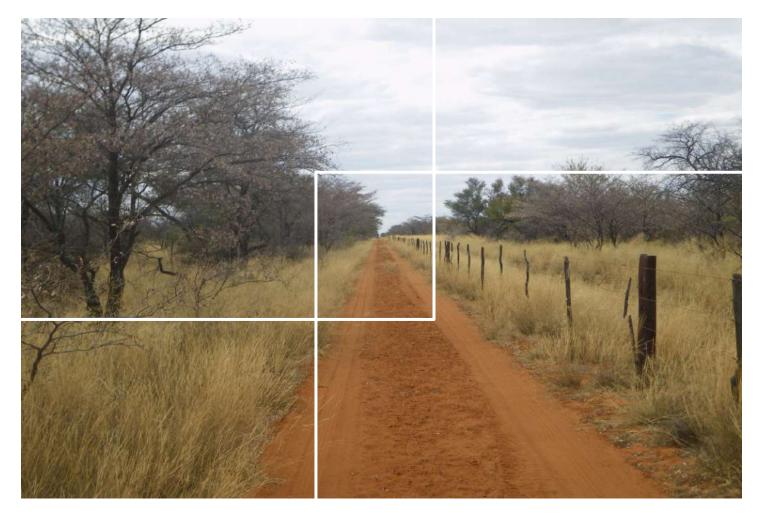
293	C-1:-141	
	Scheidthof	Khomas
340	Slaneys Hohe	Khomas
236	Smalhoek	Khomas
92	Springbockvley	Khomas
269	Springboklaagte	Khomas
266	Springboktrek	Khomas
182	Aandster	Omaheke
1028	Bassingthwaighte	Omaheke
384	Dowen	Omaheke
1002/01	Drimiopsis	Omaheke
383	Eava	Omaheke
164	Eindpaal	Omaheke
1002/REM	Gelofte Feesgrond	Omaheke
382	Harem A	Omaheke
166	Harzburg	Omaheke
380	Helder	Omaheke
589	Hennopsrus	Omaheke
180	Hinterland	Omaheke
386/REM	Нірро	Omaheke
386/02	Нірро	Omaheke
386/01	Hippo	Omaheke
1045	Holzburg	Omaheke
163/REM	Hondeblaf	Omaheke
163/01	Hondeblaf	Omaheke



302 Mahagi Omaheke 591/REM Makannor A Omaheke 591/O1 Makannor B Omaheke 3307 Mark East Omaheke 304 Mark Wes Omaheke 161 Nudom Omaheke 181/REM Okatjeru Omaheke 165 Ombu Ondana Omaheke 178 Otjimukandi Omaheke 69 Sudan Omaheke 162 Vergelegen Omaheke 305 Vorwårts Omaheke 301 Wonderboom Omaheke 79/A Boxhagen Omaheke 79B Kaukurus Ost Omaheke 1055 Karossewie Omaheke 72 Karossewie Omaheke 71 Nabatsaub Omaheke 77 Yakandanda Omaheke 413 Elsueno Omaheke 173/O2 Guicus Omaheke 345/REM Hener Omaheke	202		
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409/01 Guicus Omaheke	363/01	Goab	Omaheke
2/E/DEM	173/02	Guicus	Omaheke
345/REM Hener Omaheke	409/01	Guicus	Omaheke
	345/REM	Hener	Omaheke



345/02	Hener	Omaheke
345/01	Hener	Omaheke
356/REM	Humpata	Omaheke
356/01	Humpata West	Omaheke
347	Kamichab	Omaheke
706	Mooipan	Omaheke
355/01	Nico_Veronica	Omaheke
1063	Oas	Omaheke
174/A	Ohlsenhagen	Omaheke
287	Poortjie	Omaheke
596	Soetblomspan	Omaheke
412/02	Solingen	Omaheke
1058	Tygerpoort_ Leeuwpoort	Omaheke
291	Valerie	Omaheke
412/REM	Welkom	Omaheke
221	Frank	Khomas



Submitted to: Kuiseb Copper Company
(Pty) Ltd
Attention: Dr Branko Corner and Dr
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REPORT:

EPLS BI-ANNUAL REPORT FOR THE PERIOD JANUARY TO JUNE 2022

PROJECT NUMBER: ECC-113-376-REP-07-A

REPORT VERSION: REV 01/FINAL

DATE: 26 SEPTEMBER 2022





EPLs bi-annual report for the period January to June 2022

Kuiseb Copper Company (Pty) Ltd

TITLE AND APPROVAL PAGE

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Client Company Name: Kuiseb Copper Company (Pty) Ltd

Client Name: Dr Branko Corner and Dr Stephan Dunn

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EPLs bi-annual report for the period January to June 2022

Kuiseb Copper Company (Pty) Ltd

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Kuiseb Copper Company (Pty) Ltd

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TERMS AND ABBREVIATIONS

ABBREVIATION	DESCRIPTION
a.m.	ante meridiem
AEM	airborne electromagnetic
CA	consent agreement
cm	centimetre
ECC	Environmental Compliance Consultancy
e.g.	for example
EMP	environmental management plan
EPL	exclusive prospecting licence
etc.	et cetera
GPS	global positioning system
I&APs	interested and affected parties
km	kilometre
km/h	kilometre per hour
KCC	Kuiseb Copper Company (Pty) Ltd
L	litre
m	metre
MEFT	Ministry of the Environment, Forestry and Tourism
MME	Minsitry of Mines and Energy
MSDS	material safety data sheets
No.	number
p.m.	post meridiem
RES	Remote Exploration Services
RT	Rio Tinto Mining and Exploration Ltd
SOP	standard operating procedure
USA	United States of America



1 INTRODUCTION

1.1 BACKGROUND INFORMATION

Kuiseb Copper Company (Pty) Ltd (KCC) (referred to as the 'Proponent') and Rio Tinto Mining and Exploration Ltd (RT), through a formal KCC-RT joint venture agreement, permits KCC to fully operate the exploration programme for nineteen approved exclusive prospecting licences (EPLs) for base and rare metals, and precious metals in the Khomas and Omaheke regions.

The overall exploration project EPLs are located as per the following regions:

- Khomas region: EPLs 7730, 7731, 7732, 7538, 7539 and 7542
- Omaheke region: EPLs 7528, 7529, 7530, 7531, 7532, 7533, 7534, 7535, 7536, 7537, 7540, 7541 and 7543

Exploration is a listed activity in terms of the Environmental Management Act, No.7 of 2007, and Regulations (2012). An environmental management plan (EMP) was compiled and approved for all the EPLs. An environmental clearance certificate issued by the Ministry of Environment, Forestry and Tourism (MEFT) per EPL. Additionally, an environmental clearance certificate was issued for an airborne electromagnetic (AEM) survey over the EPLs. The conditions and commitments of these documents must be adhered to during all exploration activities. Figure 1 provides a satellite locality overview of each EPL.

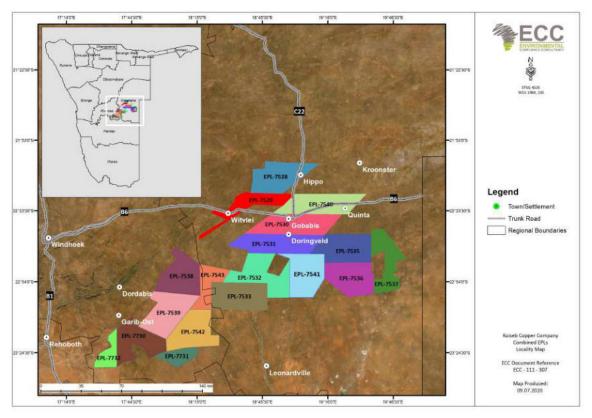


Figure 1 - Site satellite locality image of the listed EPLs



1.2 Purpose of this document

Environmental Compliance Consultancy (ECC) has been engaged by the Proponent to compile the biannual report for all listed EPLs for the period of January to June 2022. This report details the activities conducted by the Proponent during this reporting period. The aim of the report is to determine if the Proponent is compliant in terms of the requirements of the approved EMP and will further be discussed in this report.

1.3 Proponent details

Kuiseb Copper Company (Pty) Ltd is a Namibian company in a joint venture with Rio Tinto Mining and Exploration Ltd, which is a global company. The exploration program is managed by Remote Exploration Services (RES), a South African company also registered in Namibia, Remote Exploration Services External Branch Namibia (Pty) Ltd. The Proponents details are set out in Table 1.

Table 1 - Proponent details

Contact	Postal Address	Email Address	Telephone
Kuiseb Copper Company (Pty) Ltd	P O Box 2055 Swakopmund Namibia	branko@iafrica.com.na	+264 81 124 6757
Remote Exploration Services	P O Box 97401 Maerua Mall Windhoek Namibia	stephan@res.co.za	+264 81 274 3848



2 EXPLORATION ACTIVITIES

During the period under review, five main activities took place, i) landowner liaison, ii) AEM survey continued from the previous reporting period, iii) farm Nudom (No. 161) environmental assessment (EPL 7528), iv) soil sampling activities and v) air core drilling activities, which was assessed by ECC on farm Helder (No. 380) (EPL 7528).

The AEM survey was conducted between 18 November 2021 and 17 February 2022 and was discussed in detail in the previous biannual report. Therefore, this specific exploration activity will not be repeated in this report again apart from the compliance rating in section 3.

No complaints were received from interested and affected parties (I&APs) during the period under review. No environmental incidents were recorded during the reporting period. A review of the compliance of the EMP commitments can be found in the table in section 3. Any recommendations will be discussed and presented in section 4.

Future work includes additional soil sampling, air core drilling and diamond drilling at select target sites.

2.1 LANDOWNER LIAISON

Engagements with the various farm owners or managers took place before soil sampling and/or air core drilling activities commenced on EPLs 7528, 7529, 7538 and 7539 by KCC and/or ECC, when required. Figure 2 – Figure 5 provide a locality overview of the affected farm boundaries and farm numbers for EPLs 7528, 7529, 7538 and 7539.

Prior to commencement of the soil sampling and/or air core drilling activities, formal compensation agreements (CA) were signed by a total of 14 farm owners. During the sampling operations, each farm owner was notified on a daily basis of planned soil sampling and/or air core drilling activities on their farms. The table below (Table 2) provides a list of the farm owners who were engaged and signed CA's per specific exploration activity.

Table 2 – Farm owners that signed consent agreements for exploration activities to be conducted on their farms by KCC

Farm name	Farm number	EPL number	Exploration activities planned
Voorwarts	305	7529	Air core drilling
Mark Ost (east)	307	7529	Soil sampling and air core drilling



Farm name	Farm number	EPL number	Exploration activities planned
Holzburg	1045	7529	Air core drilling
Helder	380	7528	Air core drilling
Hondeblaf	163/REM	7528	Air core drilling
Vergelegen	162	7528	Soil sampling
Julia	239/01 239/REM	7538	Soil sampling and air core drilling
Klippiespan	238/REM	7538	Soil sampling
Schwarzwald	344/REM	7538	Soil sampling and air core drilling
Schwarzwald	344/01	7538	Soil sampling and air core drilling
Kuwinamab	267	7539	Soil sampling
Springboktrek	266	7539	Soil sampling
Helene	231	7538	Soil sampling
Aida	296	7538	Soil sampling
Wonderboom	301	7528	Soil sampling
Doornpoort	248/REM	7539	Air core drilling

ECC was requested to engage with the farm owners and conduct separate environmental assessments before consent agreements would be signed on the following farms:

- Daheim-Okatjepuiko (EPL 7529);
- Okatjirute East (EPL 7529); and
- Nudom (EPL 7528)



Unfortunately, an environmental baseline assessment could only be conducted on farm Nudom (No. 161) during the period under review, which took place on the 24 June 2022, towards the end of the reporting period. No formal consent agreements were reached with the above farm owners during the period under review.

Figure 6 provides a visual overview of the air core drilling activities that were conducted during the drilling campaign in June/July 2022.

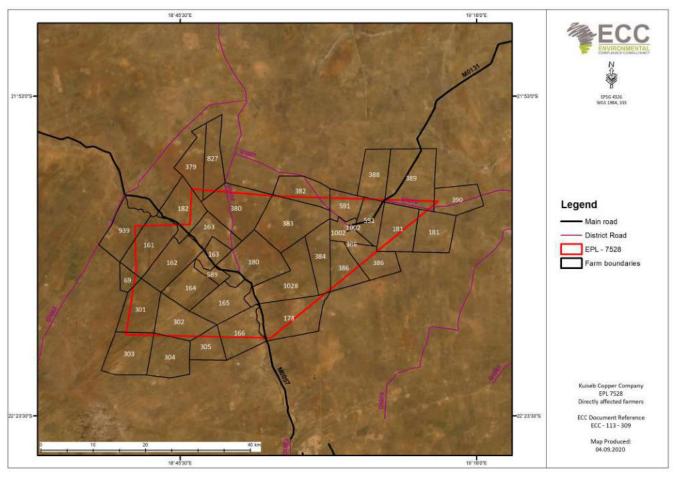


Figure 2 - Locality map of EPL 7528 with farm boundaries



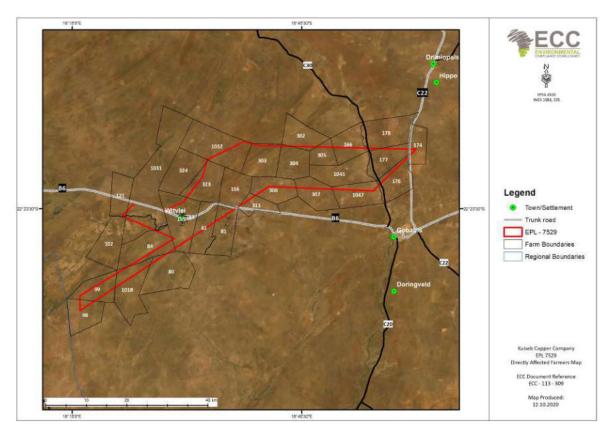


Figure 3 - Locality map of EPL 7529 with farm boundaries

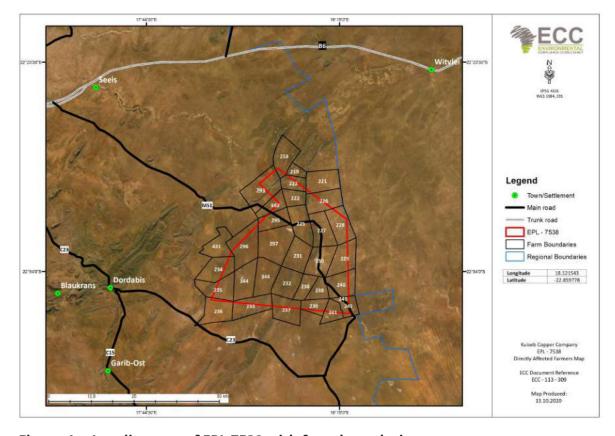


Figure 4 - Locality map of EPL 7538 with farm boundaries



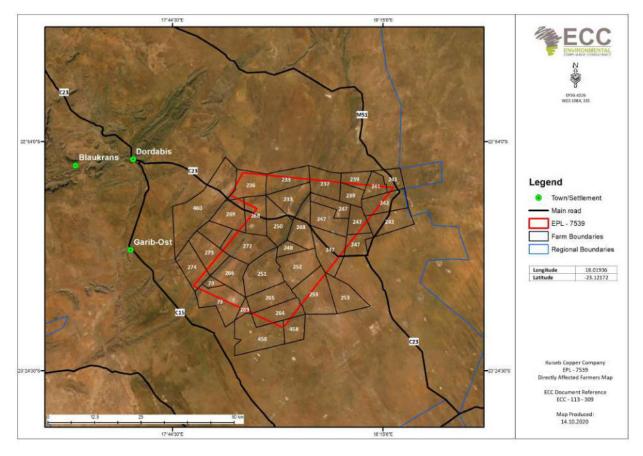


Figure 5 - Locality map of EPL 7539 with farm boundaries



Figure 6 - Air core drilling rig in operation during activities on EPL 7528



2.1.1. FARM NUDOM ENVIRONMENTAL BASELINE ASSESSMENT

The environmental baseline assessment conducted on farm Nudom, was prerequisite by the landlord to possibly enter into an access agreement with KCC for exploration purposes on EPL 7528. The assessment was conducted on 24 June 2022, by ECC staff. The assessment with the landlord covered the proposed exploration lines for soil sampling, illustrated in Figure 7, but excluded the three southern lines.

The proposed exploration method is soil sampling with an 800 m line spacing and 200 m sample spacing along line. Should this show some interest after on-site analysis of the samples, some infill lines may be sampled. Soil samples will be taken with a shovel at a depth of the width of the shovel blade (estimated 25 - 30 cm). The holes will be backfilled once the sample is collected, and the holes will not be visible. The personnel shall consist of three to four teams each of four team members, consisting of one geologist, one geotechnician and three field labourers. The field work will be carried out on foot, coming to and leaving the farm daily, using vehicles which will be driven only on existing tracks. Therefore, this type of exploration activity is considered non-invasive.

A colony of vultures nests on the farm, in an area of larger Camelthorn trees (*Vachellia erioloba*) between the Black Nossob River and the road C30, as illustrated in Figure 4. As per the Bird Atlas of Namibia and the status assessment of Namibia's vultures (Kolberg et al., 2017), this species is either the White-backed vulture (*Gyps africanus*) or the White-headed vulture (*Trigonoceps occipitalis*). Currently the White-backed vulture is listed as endangered, even though it is the most common vulture in Namibia. This species has been targeted by poachers and deliberately poisoned, especially in north-eastern Namibia, therefore their population numbers have decreased significantly over the years. The White-headed vulture is listed as vulnerable and is at it's limit of its natural distribution in north-eastern Namibia (Kolberg et al., 2017). This location has been identified as a sensitive area on the farm. It is recommended that soil sampling activities here are only conducted on foot, which will minimally disturb the vultures. Further mitigation required is that soil sampling activities planned for the northern two lines are for a short duration and nests should not be accessed by the sampling team.

EPL 7528 is covered with the central Kalahari vegetation type of the Vachellia (previously Acacia) three-and-shrub savanna sub-biome. Camelthorn trees (*Vachellia erioloba*) were observed to be the dominant tree species during the field assessment.

The other sensitive area on the farm is the Black Nossob river. However, no sampling activities will take place here and no further mitigation is required.

As the exploration activity is carried out mainly on foot, no access tracks will be left behind, and only noise or dust from vehicles travelling on existing roads is expected. The maximum vehicle speed will however not exceed 40 km/h, mostly being significantly less. No vegetation is required to be removed.



Based on the site-specific environmental assessment conducted, it is reasonable to assess that the soil sampling program will have limited, if any, impacts on the environment.

The Proponent staff will be required to be inducted before work is carried out on site, as per the environmental management plan (EMP) requirements. Personnel will be informed of the sensitive areas and mitigation measures required to be enforced.

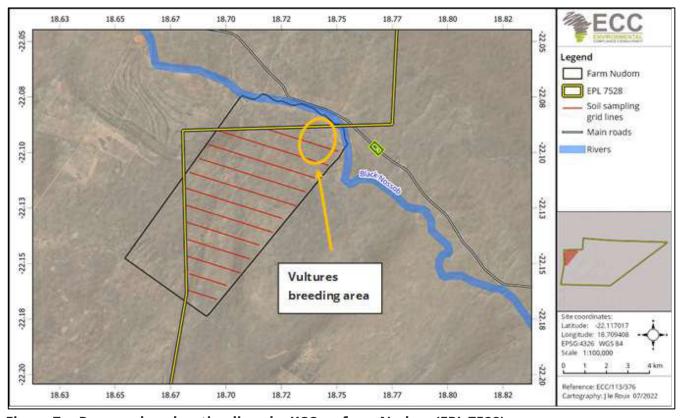


Figure 7 - Proposed exploration lines by KCC on farm Nudom (EPL 7528)



2.2 SOIL SAMPLING AND AIR CORE DRILLING

Geological fieldwork was conducted between 16 May – 21 July 2022 on farms listed in Table 2.

Figure 8 provides an overview of the soil sampling and air core drilling lines conducted on EPLs 728, 7529, 7538 and 7539. All RES personnel were contracted during the period under review by KCC. The RES team consisted of three male geologists, three male geotechnicians, two female geotechnicians and four male field labourers. Nine out of the 12 personnel are Namibian, apart from two of the geologists that are South African and American (USA), respectively.

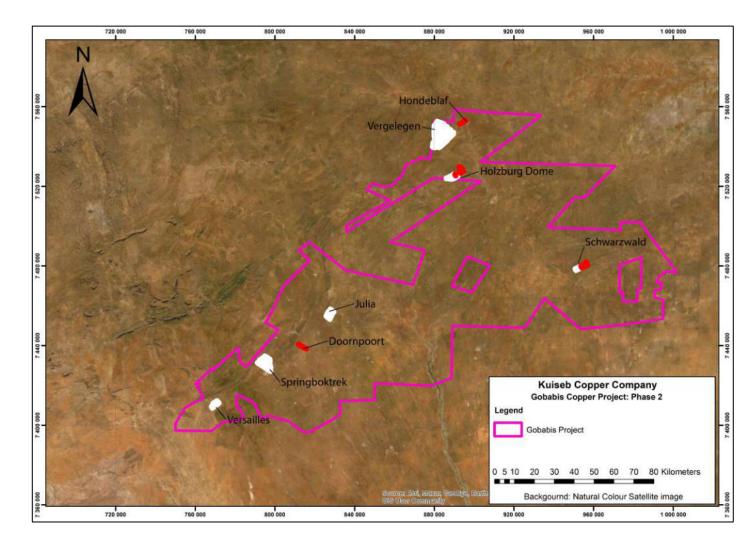


Figure 8 – Soil and air core sampling map for EPLs 7528, 7529, 7538, 7539. White dots represent soil sampling lines and red dots represent air core drilling lines (Source: Remote Exploration Services).



3 EXPLORATION EMP COMPLIANCE AUDIT

This section provides an overview of the compliance with EMP requirements as depicted in the approved EMP for all EPLs (Appendix A). Overall compliance to the EMP was scored as 94.74 % for the audit conducted on farm Helder (EPL 7528), with two recorded non-compliances.

Table 3 - Exploration EMP compliance audit

Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Access and site preparation	 Miscommunication with the farm owners, Disruption of farm operations (leaving gates open, loss of farming area, interference at waterpoints) Potential conflict with farm owners and neighbours (suspicious movement, poaching, stock theft, field fires, etc.). 	 Ensure documented permission to enter farms is enforced, Farmers should have access to all farm areas at all times, Existing water points and feeding area need to be left, unaffected, Use existing roads for access to avoid new tracks and cut lines, Compliance with all applicable laws and agreements. 	- Compliant	 Open communication and landowner liaison with farm owners/managers where activities have taken place during the reporting period. The drilling and exploration teams move together on existing tracks and stay away from farming activities.
	Potential grievances and complaints,Social discomfort and anxiety	 Develop and implement an environmental and social operation manual or procedures to work on private farms and implement monitoring programmes thereafter, 	– Compliant	 Open communication and landowner liaison with farm owners/managers where activities have



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		- Maintain continuous communication		taken place during the
		with interested and affected parties		reporting period.
		(I&APs) to identify concerns and		 Consent agreements
		mitigation measures,		signed with farm
		- Compliance with all applicable laws		owners before
		and agreements,		exploration activities
		- Train personnel and raise awareness		can proceed.
		to sensitize them about contentious		– Daily supervision on
		issues such as stock theft and		site by geologists.
		poaching,		 Incident register in
		– Ensure appropriate supervision of all		place and incidents
		activities daily,		recorded.
		 Accidents and incidents need to be 		- Complaints register in
		reported to exploration manager and		place.
		recorded in the incident register.		- Training and
				awareness is
				conducted regarding
				stock theft and
				poaching with project
				staff.



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
General exploration activities	- Residing and nesting organisms can be disturbed, injured or killed by movement of vehicles and equipment - Residing and nesting organisms can be disturbed, injured or killed by movement of vehicles and equipment - Residing and nesting organisms can be disturbed, injured or killed by movement of vehicles and equipment	 Restrict movements to areas of activities only, Use existing tracks and routes as far as practically possible, Identify rare, endangered, threatened and protected species in advance such as the white or black rhino, Route new tracks around sensitive areas inhabited by protected species (i.e., pangolins, etc.), Restrict movements to daytime hours, Sensitize personnel by training and creating awareness amongst them and notify them to avoid some areas, No driving off designated access routes (into the bush) or any off-road, No animals or birds may be collected, caught, consumed or removed from site. 	- Compliant	 For the AEM survey, mitigation measures number 3 and 6 were fully adhered too and implemented. KCC further advised a bird specialist to monitor vulture chick response. No issues were reported. The drilling and exploration teams move together on existing tracks and stay away from farming activities. All field staff are always under supervision and have been informed of what areas to avoid on the respective farms. No off road driving observed or new tracks created.



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
	 Residing and nesting organisms can be disturbed as a result of ambient noise from operations and movements of vehicles and equipment Conflict with farmers and neighbours about rising of ambient noise levels 	 Restrict excessive noise to areas of activities only, Restrict excessive noise to daytime hours (7 am to 5 pm weekdays and 7 am until 1 pm on Saturdays), No activities are allowed between dusk and dawn, Drill equipment shall be suitably positioned to ensure that noisy equipment is away from receptors, Residents shall be provided at least two weeks' notice of drilling operations within 1 km of their property, All equipment to be shut down or throttled back between periods of use, Adhere to civil aviation regulations 	- Compliant	 Open communication and landowner liaison with farm owners/managers where activities have taken place during the reporting period. Exploration activities restricted to daytime (08:00 – 17:00). Drill equipment is compliant with EMP requirements.
	- Visual disturbances	 about the use of a drone, if necessary. Position drill equipment and other heavy equipment in such a way that it is out of sight from human receptors; Barriers or fences shall be used if drilling occurs in locations that may affect residents or livestock Maintain good housekeeping standards on site, 	– Compliant	 Drill equipment placement is compliant with EMP requirements. Good housekeeping standards observed. No fences or barriers required.



Kuiseb Copper Company (Pty) Ltd

Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		 Maintain continuous communication with I&APs to identify concerns and mitigation measures. 		
	- Dust and emissions	 All vehicles and machinery or equipment to be shut down or throttled back between periods of use, Use existing access roads and tracks where possible, Apply dust suppression where possible, Restrict the speed of vehicles (<30 km/h), Specific activities that may generate dust and impact on residents shall be avoided during high wind events, Residents need to be informed at least two weeks in advance that drilling operations are within 1km of their property, Vehicles and machinery are to be regularly serviced according to the manufacturers' specifications and kept in good working order so as to minimise exhaust emissions. 	- Compliant	 No non conformances observed. Road signage is present depicting speed limits. Complaints register in place.

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Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
	 Loss of soil quality due to mixing of earth matter, trampling, compaction, and pollution, Enhanced soil erosion 	 Where possible, plan access routes, drill pads and camps outside of existing drainage lines, Where necessary, install diversions to curb possible erosion, Restore drainage lines when disturbed, Topsoil should be stockpiled separately, and re-spread during rehabilitation, Limit the possibility of compaction and creating of a hard subsurface, Limit the possibility of trampling, During drilling oil absorbent matting should be placed under and around the rig, Equipment must be in a good condition to ensure that accidental oil spills do not occur and contaminate soil, In the event of spills and leaks, polluted soils must be collected and disposed of at an approved site, Limit the possibility of mixing mineral waste with topsoil. 	- Compliant	 No non conformances observed. Correct rehabilation efforts with topsoil placement observed.
	- Groundwater contamination	 Ensure drill pads and spill kits are in place on site, 	– Compliant	 Air core drilling is a dry process and thus no wastewater is



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Airlanna FM		 Consider alternative sites when the water table is too high, Wastewater shall be contained, Where possible, water from existing water sources shall be used. 	Constitut	generated by this drilling method Spill kits are available on site.
Airborne EM survey (AEM)	 Perceived impact from low- flying EM survey activities 	 Prior to conducting aerial surveys, both directly and indirectly affected parties 	– Compliant	 Prior to conducting aerial surveys, both
over the EPL,	on livestock and humans.	should be informed in writing at least 2		directly and indirectly
possible low flying, indication of line spacing		 weeks prior, The following information is to be included in the written communication sent to the interested and affected parties. This can be in the form of a Press Notice; Company name, Survey dates, time and duration, Purpose of the survey, Flight altitude, Survey location, map of survey area and flight lines, and Contact details for enquiries. 		affected parties were informed in writing at least 2 weeks prior to commencement, and verbally 2 days prior to flights over specific farms. A total of 125 CAs were signed byat least 2 weeks prior, I&APs. - Engagements took place as required and daily notifications were sent to farm owners during the survey activities. - No issues reported.



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Vegetation	- Loss of plant species	 Use existing roads for access to avoid 	– Compliant	 The drilling and
clearance for	 Loss of habitat 	new tracks and cut lines,		exploration teams
access routes,	 Create landscape scars 	 Minimise clearance areas through 		move together on
drill pads and	 Enhance erosion 	proper planning of the exploration		existing tracks and stay
temporary	 Loss of sense of place 	activities,		away from farming
contractor		 Route new tracks around established 		activities.
camps		and protected trees, and clumps of		 All field staff are always
		vegetation,		under supervision and
		 Identify rare, endangered, threatened 		have been informed of
		and protected species,		what areas to avoid on
		 During toolbox talks and induction, 		the respective farms.
		highlight to workers that the removal		 No off road driving
		of significant plants should be avoided,		observed or new tracks
		 Where possible rescue and relocate 		created.
		plants of significance,		 Induction is conducted
		- Promote revegetation of cleared areas		and training/awareness
		upon completion of exploration		is raised.
		activities.		 No revegetation
				required.
	– Alien plants and weeds can	All project equipment arriving on site	– Compliant	 Induction is conducted
	accidentally be introduced	from an area outside of the project or		and training/awareness
		coming from an area of known weed		is raised.
		infestations (not present on the project		
		site) should have an internal weed and		



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		 seed inspection completed prior to equipment being used, Ensure contractors receive induction on spread of alien weed, Ensure the potential introduction and spread of alien plants is prevented, Ensure the correct removal of alien invasive vegetation and prevent the establishment and spread of alien invasive plants, Eradicate weeds and alien species as soon as they appear, Make workers aware about alien species and weeds. 		
Fuel handling and storage, maintenance on equipment, machinery and vehicles Inadequate control or accidental releases of	 Soil contamination Water contamination Enhance accidental veld fires during high wind periods 	 Storage Label chemicals appropriately, Chemicals with different hazard symbols should not be stored together clear guidance on the compatibility of different chemicals can be obtained from the material safety data sheets (MSDS) which should be readily available, Store chemicals in a dedicated, enclosed, and secure facility with a roof 	- Compliant	 No non conformances observed. Only water is added to keep the hole open during the air core drilling process. Fire hazard signage boards available. Fuels are stored correctly as per requirements.



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Activity hazardous substances on site	Potential impacts	 and concrete floor. Chemical tanks should be completely contained within secondary containment such as bunding, Consider the feasibility of substituting hazardous chemicals with less hazardous alternatives, Storage and handling of fuels and chemicals shall be in compliance with relevant legislation and regulations, Fuels, lubricants, and chemicals are to be stored within appropriately sized, impermeable bunds or trays with a 	Compliance	 Comments Fire extinguishers available on site. Spill kits availabel on site. No spil lincidents recorded.



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Activity	Potential impacts	 Management/mitigation measures No cigarette butts are allowed to be discarded into the environment. These should be contained in appropriate domestic containment bins and disposed of at the local landfill site, No unauthorised movement beyond the exploration areas and campsites is allowed, Proper fire hazard identification signage to be placed in areas that store flammable material (e.g., hydrocarbons and gas bottles), Control and reduce the potential risk of fire by segregating and safe storage of materials, Avoid potential sources of ignition by prohibiting smoking in and around facilities, Fire extinguishers should always be at designated areas and should be inspected regularly. 	Compliance	Comments
		Spills		



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Activity	Potential impacts	 Spill kits with the following items as a minimum should be made available on site: Absorbent materials, Shovels, Heavy-duty plastic bags, Protective clothing (e.g., gloves and overalls), Major servicing of equipment shall be undertaken offsite or in appropriately equipped workshops, For small repairs and unavoidable and necessary maintenance activities all reasonable precautions to avoid oil and fuel spills must be taken (i.e., spill trays, impervious sheets), 	Compliance	Comments
		i i		



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		 Vehicles and machinery are to be regularly serviced to minimise oil and fuel leaks, All major petroleum product spills (spill of more than 200 litres per spill) should be reported to the Ministry of Mines and Energy (MME) on Form PP/11 titled "Reporting of major petroleum product spill', attached as Appendix B. 		
		 The following points therefore apply to all areas on the site: Assess the situation for potential hazards, Do not come into contact with the spilled substance until it has been characterised and necessary personal protective equipment (PPE) is provided, Isolate the area as required. 		
		The following measures are to be implemented in response to a spill:		



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		 Spills are to be stopped at source as soon as possible (e.g. close valve or upright drum), Spilt material is to be contained to the smallest area possible using a combination of absorbent material, earthen bunds or other containment methods, Spilt material is to be recovered as soon as possible using appropriate equipment. In most cases, it will be necessary to excavate the underlying soils until clean soils are encountered, All contaminated materials recovered subsequent to a spill, including soils, absorbent pads and sawdust, are to be disposed to appropriately licensed facilities, A written incident report must be 		
Generation of	– Soil contamination	submitted to the general manager.Good housekeeping standards applied	– Compliant	- Good housekeeping
waste	- Water contamination	on site,	Compliant	practises observed.
	– Nuisance (visual impacts,	- Training and raise awareness through		- Toolbox talks
	litter)	toolbox talks and induction,		attendance register
	– Ecological risks			available.



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		 Implement a standard operational procedure (SOP) on waste management, from all kinds of waste possible on-site (e.g. hydrocarbons, domestic, waste water), Implement a culture of correct waste collection, waste segregation and waste disposal, complimentary to the waste hierarchy – avoid, re-use, recycle, Wastewater discharges will be contained – no disposal of waste water directly into the environment is allowed. 		 Toolbox talks are provided by the drilling company foreman prior to the start of aire core drilling activities. A SOP is in place. A spill kit is available on site. Solid waste is collected on site and disposed of at the Gobabis landfill site.
Water use	 Soil contamination Ground and surface water contamination Nuisance (visual and odour) 	 Minimise the operational consumption of water throughout the operations of the project, Visual monitoring and photographic record should be kept of any surface and / or groundwater intersected, Recycle wastewater, where possible, Install devices to prevent spills and overfills, e.g. shutoff devices for large volume tanks (e.g. > than 2000 L), 	– Non compliance	 No toilets are provided, staff relieve themselves in nature. Portable chemical toilets to be provided for staff when on site, and domestic waste water disposed of properly.



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		 Install an impermeable hardstand in areas of high-risk contamination to prevent ground infiltration by pollutants, Segregation of wastewater (domestic and industrial effluent), During operations, monitoring of wastewater discharges (specific to a wastewater discharge permit conditions) should be conducted on a regular basis (quarterly). 		
Heritage	- Disruption of heritage sites	In case of discovering or unearthing heritage sites, particularly palaeontological or archaeological finds, the following measures (chance find procedure) shall be applied: - Work to cease, area to be demarcated with appropriate tape by the site supervisor, and the site manager to be informed, - The site manager to visit the site and determine whether work can proceed without damage to findings, mark exclusions boundary and inform the	- Compliant	 No non conformances observed. Chance find procedure implemented if required.



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		environment and social manager with the GPS position if possible, If works cannot proceed without damage to findings, the site manager to inform the environmental manager who will get in touch with an archaeologist who will provide advice, Exploration manager or archaeological specialist to evaluate the significance of the remains and identify appropriate action, for example, record and remove; relocate or leave in situ (depending on the nature and value of the remains) Inform the police if the remains are human, and Obtain appropriate clearance or approval from the competent authority, if required, and recover and remove the remains to the national museum or national forensic laboratory as directed.		



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Job creation, skills	Beneficial socio-economic impacts on a local and	 Maximise local employment and local business opportunities, 	- Compliant	Evidence of local employment and local
development and business opportunities	regional scale	 Enhance the use of local labour and local skills as far as reasonably possible, Ensure that goods and services are sourced from the local and regional economy as far as reasonably possible. 		business opportunities. - RES staff consisted of 10 persons, from which only 2 were expatriates.



Kuiseb Copper Company (Pty) Ltd

4 CONCLUSION

Two environmental non-conformances in terms of with the EMP requirements were noted during the period under review for the audit conducted on the 04 July 2022 for the air core drilling campaign on EPL 7528. Conclusions drawn from the audit are listed as follows:

- No portable chemical toilets available on site, therefore staff were relieving themselves in nature.
- Therefore domestic waste water not managed correctly.

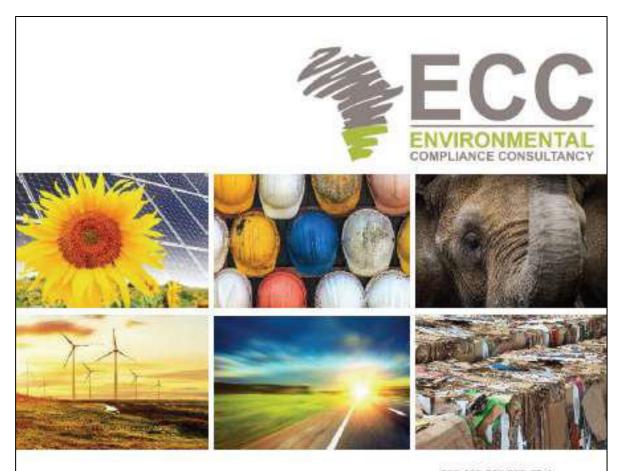
Landowner liaison took place with landowners before soil sampling activities could be conducted. Fieldwork involved utilising existing access tracks and walking where driving was not possible. Sampling techniques during the soil sampling were non-invasive and therefore no rehabilitation was required to be conducted. Air core drilling involved the use of a drill rig mounted on the back of a vehicle, whereby samples were removed with a drill bit and no chemicals were used. The air core vehicle only utilised existing tracks and no new permanent tracks were created. Therefore, no bush clearing activities were undertaken, where required vegetation was trimmed to allow for ease of access to drilling targets.

The AEM survey, for which a separate EMP was in place, was conducted from January to February 2022 during the reporting period. All farm owners were contacted residing on each EPL, and consent agreements were signed with 125 farm owners prior to commencement of the survey. In addition, farmers were informed 2 days prior to surveying over their farms in order to ensure farm owners are informed of the activities and to remediate any immediate concerns that might arise. The AEM survey was conducted over EPLs 7528, 7529, 7530, 7531, 7535, 7536, 7537, 7538, 7539, 7540, 7541, 7542, 7543, 7730 and 7732.

Therefore, no AEM activities were conducted on EPLs 7731, 7532, 7533 and 7534 during the reporting period. It is thus concluded that EMP compliance would therefore be in order for these EPLs.

Kuiseb Copper Company (Pty) Ltd

APPENDIX A – EXPLORATION ENVIRONMENTAL MANAGEMENT PLAN FOR ALL EPLS



ECC-113-309-REP-65-A

ENVIRONMENTAL MANAGEMENT PLAN

EXPLORATION ACTIVITIES FOR BASE AND RARE METALS, PRECIOUS METALS, KHOMAS AND OMAHEKE REGIONS

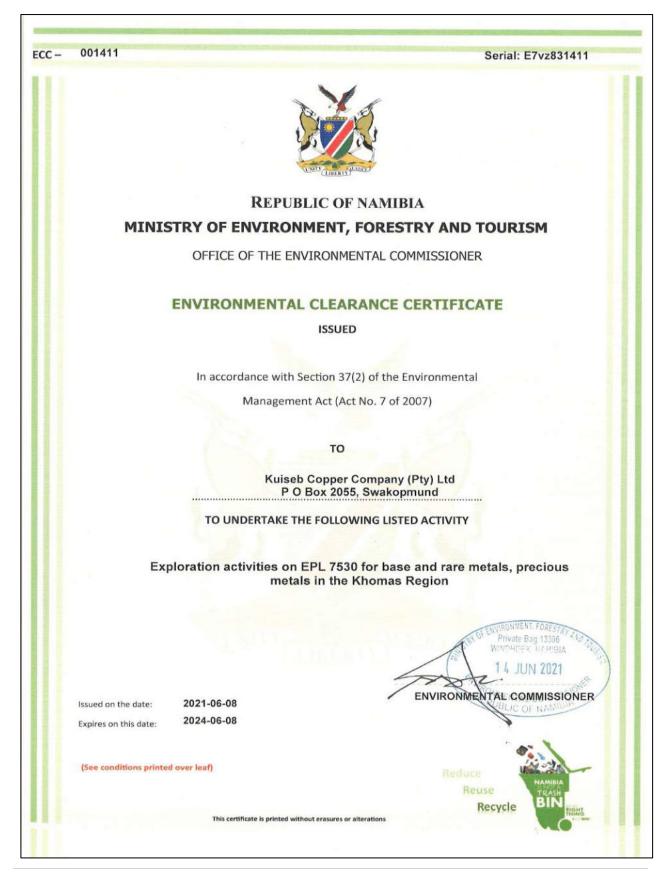
PREPARED FOR KUISEB COPPER COMPANY (PTY) LTD

DECEMBER 2020

PO BOX 91783 Windows Names Environmental Compliance Considercy CC CC/7013/11404

Kuiseb Copper Company (Pty) Ltd

APPENDIX B – KCC EPLS ENVIRONMENTAL CLEARANCE CERTIFICATES (KHOMAS REGION)









Kuiseb Copper Company (Pty) Ltd

ECC - 01420 Serial: ND6O291420



REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental

Management Act (Act No. 7 of 2007)

TO

Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Exploration activities on EPL 7732 for base and rare metals, precious metals, Khomas Region.

Issued on the date:

2021-06-14

Expires on this date:

2024-06-14

(See conditions printed over leaf)

Reduce Reuse Recycle

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Private Bag 13306

• 1.5 JUN 2021

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Kuiseb Copper Company (Pty) Ltd

ECC - 001405 Serial: tGM99R1405

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OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental

Management Act (Act No. 7 of 2007)

то

Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Exploration activities on EPL 7538 for base and rare metals, precious metals in the Khomas Region

ENVIRONMENTAL COMMISSIONER

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Kuiseb Copper Company (Pty) Ltd

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OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental

Management Act (Act No. 7 of 2007)

TO

Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Exploration activities on EPL 7539 for base and rare metals, precious metals in the Khomas Region

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Kuiseb Copper Company (Pty) Ltd

APPENDIX C – KCC EPLS ENVIRONMENTAL CLEARANCE CERTIFICATES (OMAHEKE REGION)

















Kuiseb Copper Company (Pty) Ltd

ECC - 01223

Serial: G2ifZO1223



REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental

Management Act (Act No. 7 of 2007)

TO

Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Exploration activities on EPL 7532 for base and rare metals, precious metals, Omaheke Region.

Issued on the date:

2021-02-09

Expires on this date:

2024-02-09

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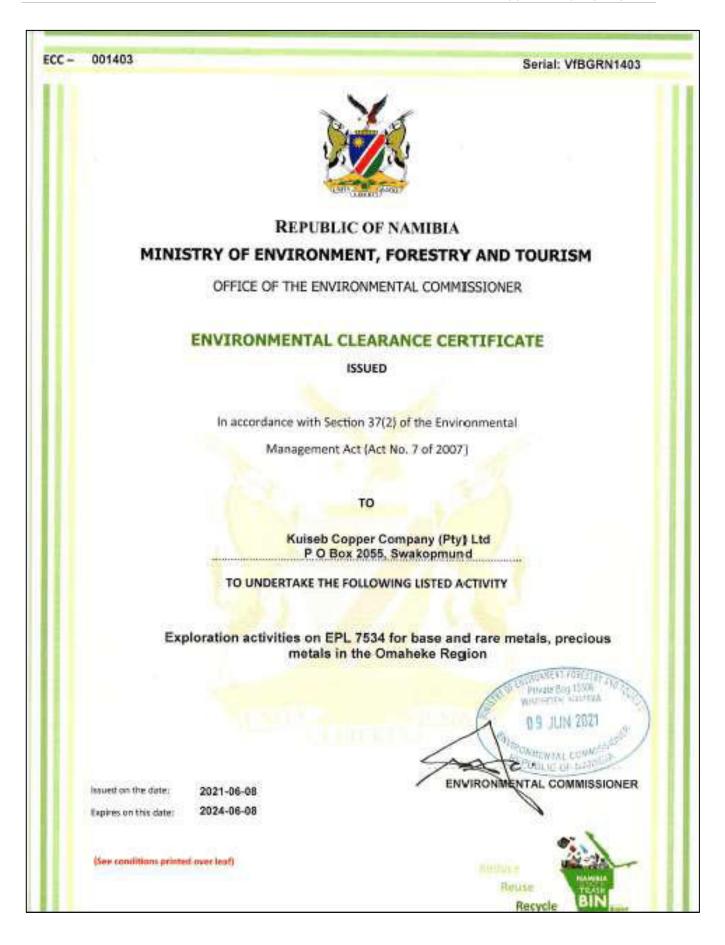
ENVIRONMENTAL COMMISSIONER





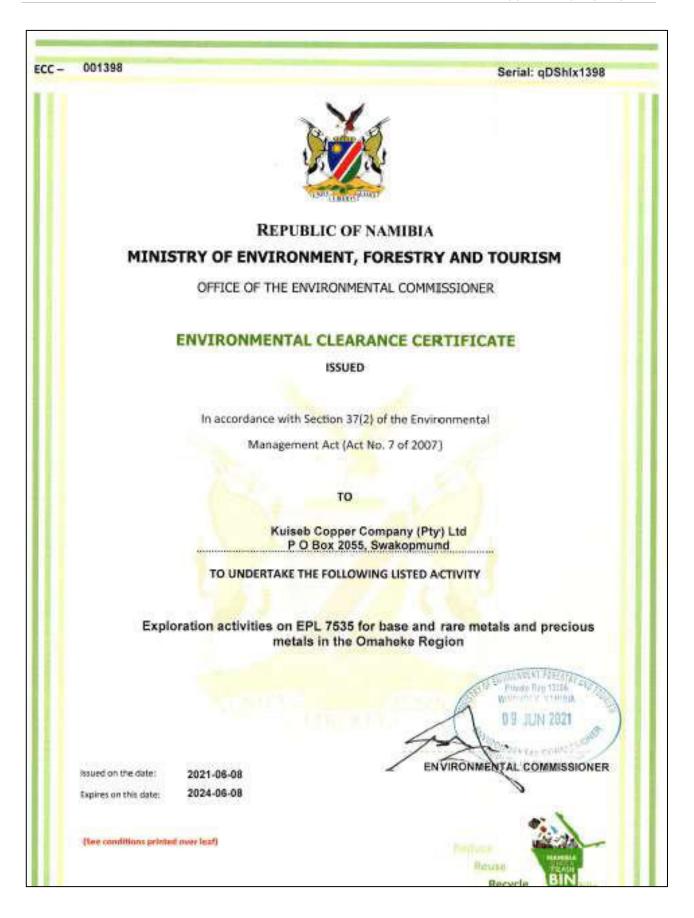


Kuiseb Copper Company (Pty) Ltd



26 SEPTEMBER 2022





Kuiseb Copper Company (Pty) Ltd

01419 ECC -Serial: e9KZaY1419 REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM OFFICE OF THE ENVIRONMENTAL COMMISSIONER **ENVIRONMENTAL CLEARANCE CERTIFICATE** ISSUED In accordance with Section 37(2) of the Environmental Management Act (Act No. 7 of 2007) Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY Exploration activities on EPL 7536 for base and rare metals and precious metals, Omaheke Region. Private Bag 13306 WINDHOEK, NAMBIA 15 JUN 2021 ENVIRONMENTAL COMMISSIONER 2021-06-14 Issued on the date: 2024-06-14 Expires on this date: (See conditions printed over leaf) Reuse Recycle This certificate is printed without erasures or alteration











Kuiseb Copper Company (Pty) Ltd



26 SEPTEMBER 2022





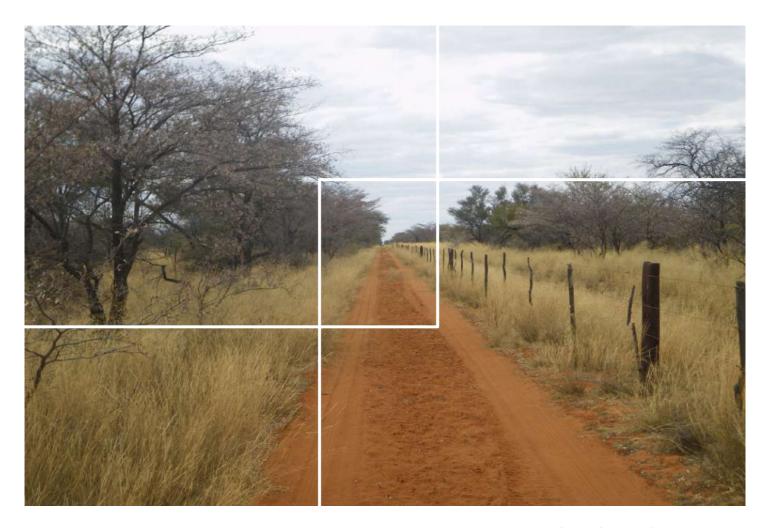




Kuiseb Copper Company (Pty) Ltd

APPENDIX D – KCC AIRBORNE ELECTROMAGNTEIC (AEM) SURVEY ENVIRONMENTAL CLEARANCE CERTIFICATE





Submitted to: Kuiseb Copper Company
(Pty) Ltd
Attention: Dr Branko Corner and Dr
Stephan Dunn
PO Box 2055

Swakopmund Namibia

REPORT:

BI-ANNUAL REPORT FOR THE PERIOD JULY TO DECEMBER 2022

PROJECT NUMBER: ECC-113-376-REP-10-A

REPORT VERSION: REV 01

DATE: 11 APRIL 2023





Kuiseb Copper Company (Pty) Ltd

TITLE AND APPROVAL PAGE

Project Name: Bi-annual report for the period July to December 2022

Client Company Name: Kuiseb Copper Company (Pty) Ltd

Client Name: Dr Branko Corner and Dr Stephan Dunn

Ministry Reference: ECC-113-376-LET-11-A

Status of Report: Final for Government submission

Project Number: ECC-113-376-REP-10-A

Date of issue: 11 April 2023

Review Period NA

ENVIRONMENTAL COMPLIANCE CONSULTANCY CONTACT DETAILS:

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Kuiseb Copper Company (Pty) Ltd

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DISCLAIMER

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Disclaimer on limitations of geospatial data and information available: the report makes use of existing and previously available data from other sources, ECC and its client acknowledge the potential constraints posed by using such data and information.



Kuiseb Copper Company (Pty) Ltd

EXECUTIVE SUMMARY

Kuiseb Copper Company (Pty) Ltd (KCC) (referred to as the 'Proponent') and Rio Tinto Mining and Exploration Ltd (RT), through a formal KCC-RT joint venture agreement, permits KCC to fully operate the exploration programme for nineteen approved exclusive prospecting licences (EPLs) for base and rare metals, and precious metals in the Khomas and Omaheke regions.

The overall exploration project EPLs are located in the following regions:

- Khomas Region: EPLs 7730, 7731, 7732, 7538, 7539 and 7542
- Omaheke Region: EPLs 7528, 7529, 7530, 7531, 7532, 7533, 7534, 7535, 7536, 7537, 7540, 7541 and 7543

An environmental management plan (EMP) was compiled and approved for all the EPLs. An environmental clearance certificate is issued by the Ministry of Environment, Forestry and Tourism (MEFT) per EPL. Additionally, an environmental clearance certificate was issued for an airborne electromagnetic (AEM) survey over the EPLs.

Landowner liaison took place with landowners before all exploration activities could be conducted and Consent Agreements were signed. A successful resettlement community meeting was held on site on the farm Versailles, in whereby the Proponent described KCC's various planned activities, including the AEM survey and proposed follow-up field work, to the community.

Fieldwork activities included the following during the period under review: soil sampling, air core drilling, diamond drilling and the second phase of the AEM survey. Soil sampling was conducted on EPLs 7530, 7531, 7532, 7538, 7539, 7542 and 7543. Air core drilling was conducted on EPLs 7528, 7529, 7535, 7438 and 7539. Diamond drilling was conducted on EPLs 7529, 7535, 7438 and 7539. The AEM survey took place over EPLs 7529, 7530, 7531, 7532, 7534, 7538, 7539, 7542, 7543 and 7731.

No environmental non-conformances or complaints were recorded during the period under review.

Soil sampling could not be completed for areas of interest at target farms in EPLs 7533, 7730 ad 7732 during the reporting period and this work will be completed in 2023. No other work was carried out on these EPLs during the reporting period.

No work was conducted on the following EPLs during the reporting period: EPL 7535, 7536, 7537, 7540 and 7541.



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Figure 17 - Completed drill collars indicated in yellow on EPL 7529, 7535, 7538 and 75	539
(Source: RES)	.20
Figure 18 - Diamond core drill rig utilised for the drilling programme activities (Source: R	(ES
	.20



Kuiseb Copper Company (Pty) Ltd

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AEM	airborne electromagnetic
CA	consent agreement
ECC	Environmental Compliance Consultancy
e.g.	for example
EMP	environmental management plan
EPL	exclusive prospecting licence
etc.	et cetera
GPS	global positioning system
I&APs	interested and affected parties
km	kilometre
km/h	kilometre per hour
KCC	Kuiseb Copper Company (Pty) Ltd
L	litre
m	metre
MEFT	Ministry of the Environment, Forestry and Tourism
MME	Ministry of Mines and Energy
MSDS	material safety data sheets
No.	number
RES	Remote Exploration Services
RT	Rio Tinto Mining and Exploration Ltd
SOP	standard operating procedure



1 INTRODUCTION

1.1 BACKGROUND INFORMATION

Kuiseb Copper Company (Pty) Ltd (KCC) (referred to as the 'Proponent') and Rio Tinto Mining and Exploration Ltd (RT), through a formal KCC-RT joint venture agreement, permits KCC to fully operate the exploration programme for nineteen approved exclusive prospecting licences (EPLs) for base and rare metals, and precious metals in the Khomas and Omaheke regions.

The overall exploration project EPLs are located in the following regions:

- Khomas Region: EPLs 7730, 7731, 7732, 7538, 7539 and 7542
- Omaheke Region: EPLs 7528, 7529, 7530, 7531, 7532, 7533, 7534, 7535, 7536, 7537, 7540, 7541 and 7543

Exploration is a listed activity in terms of the Environmental Management Act, No.7 of 2007, and Regulations (2012). An environmental management plan (EMP) was compiled and approved for all the EPLs. An environmental clearance certificate is issued by the Ministry of Environment, Forestry and Tourism (MEFT) per EPL. Additionally, an environmental clearance certificate was issued for an airborne electromagnetic (AEM) survey over the EPLs. The conditions and commitments of these documents must be adhered to during all exploration activities. Figure 1 provides a satellite locality overview of each EPL.

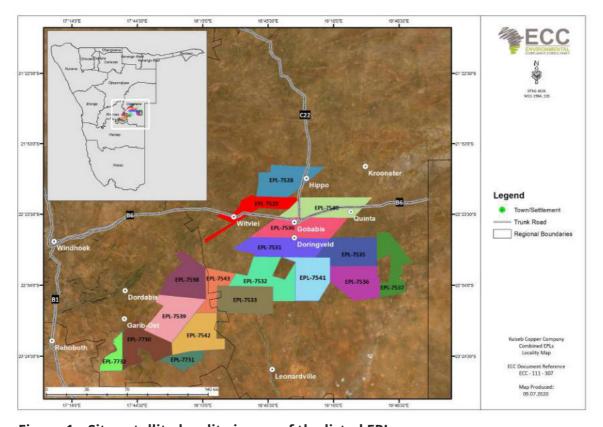


Figure 1 - Site satellite locality image of the listed EPLs



Kuiseb Copper Company (Pty) Ltd

1.2 Purpose of this document

Environmental Compliance Consultancy (ECC) has been engaged by the Proponent to compile the bi-annual report for all listed EPLs for the period of July to December 2022. This report details the activities conducted by the Proponent during this reporting period. The report aims to determine if the Proponent is compliant in terms of the requirements of the approved EMP and will further be discussed in this report. No physical audit was conducted during the period under review by ECC and therefore a desktop audit has been conducted to evaluate EMP compliance for the purposes of this report.

1.3 Proponent details

Kuiseb Copper Company (Pty) Ltd is a Namibian company in a joint venture with Rio Tinto Mining and Exploration Ltd, which is a global company. The exploration program is managed by Remote Exploration Services (RES), a South African company also registered in Namibia, Remote Exploration Services External Branch Namibia (Pty) Ltd. The Proponent's details are set out in Table 1.

Table 1 - Proponent details

Contact	Postal Address	Email Address	Telephone
Kuiseb Copper Company (Pty) Ltd	P O Box 2055 Swakopmund Namibia	branko@iafrica.com.na	+264 81 124 6757
Remote Exploration Services	P O Box 97401 Maerua Mall Windhoek Namibia	stephan@res.co.za	+264 81 274 3848

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Kuiseb Copper Company (Pty) Ltd

2 EXPLORATION ACTIVITIES

During the period under review, the following activities took place, i) landowner liaison, ii) AEM survey, iii) soil sampling activities, vi) air core drilling activities and v) diamond drilling activities. Planned exploration activities have been completed in their entirety during the reporting period.

No complaints were received from interested and affected parties (I&APs) during the period under review. No environmental incidents were recorded during the reporting period. A review of the compliance of the EMP commitments can be found in the table in section 3. Any recommendations will be discussed and presented in section 4.

Soil sampling could not be completed for areas of interest at target farms in EPLs 7533, 7730 ad 7732 during the reporting period and this work will be completed in 2023. No other work was carried out on these EPLs during the reporting period.

No work was conducted on the following EPLs during the reporting period: EPL 7535, 7536, 7537, 7540 and 7541.

2.1 LANDOWNER LIAISON

Contact and relationship management of landowners was undertaken by Kuiseb Copper Company management during the period under review. Remote Exploration Services engaged with landowners for phase 3 of the soil sampling programme.

The majority of landowners were contacted on an individual basis via email, phone or where possible, in person. A successful resettlement community meeting was held on-site on the farm Versailles, in whereby the Proponent described KCC's various planned activities, including the AEM survey and proposed follow-up fieldwork, to the community.

Each interaction consisted of initial contact, and a presentation of the consent agreement (CA) with a period for questions and answers. In the cases of agreement and consent, notification before the commencement of work, and upon completion was communicated, as well as disbursement of compensation for the land access.

Appendix E provides a list of the farm owners who were engaged and signed CA's per specific exploration activity.

Figure 2 to Figure 12 provides locality maps per respective EPL whereby active work took place during the reporting period, with farm boundaries and farm numbers indicated.



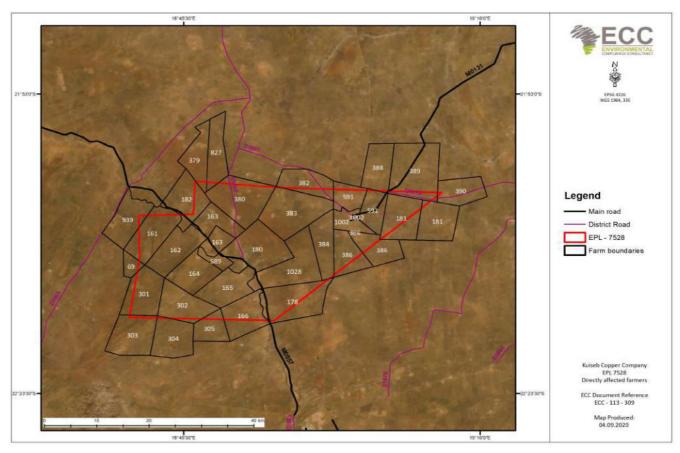


Figure 2 - Locality map of EPL 7528 with farm boundaries

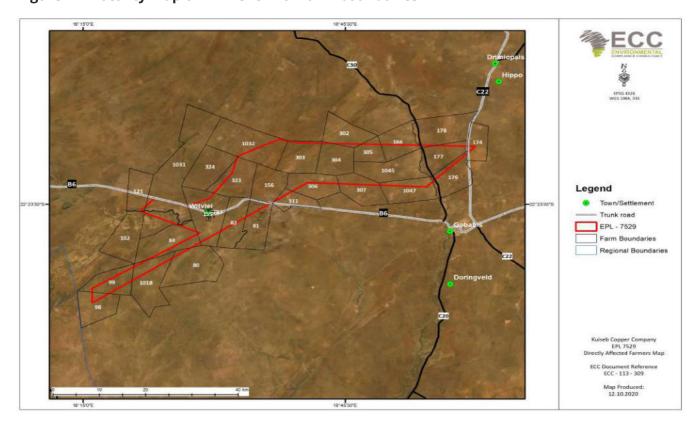


Figure 3 - Locality map of EPL 7529 with farm boundaries



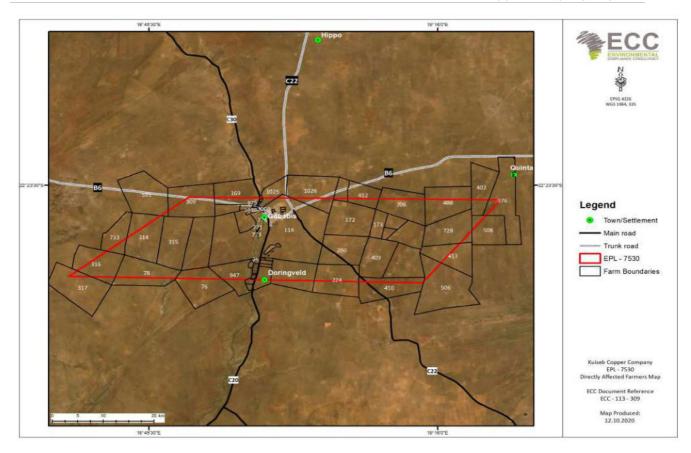


Figure 4 - Locality map of EPL 7530 with farm boundaries

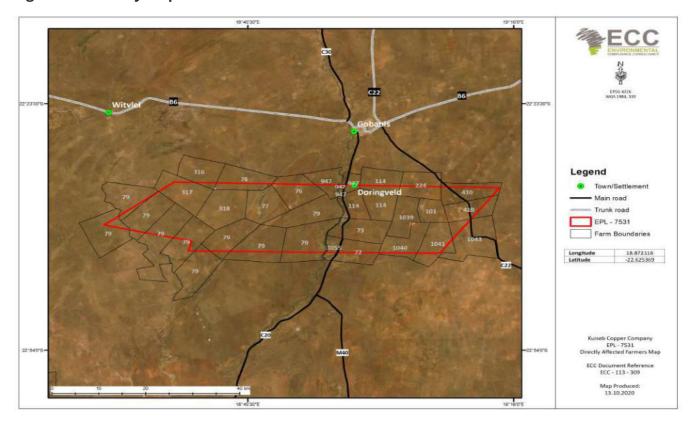


Figure 5 - Locality map of EPL 7531 with farm boundaries



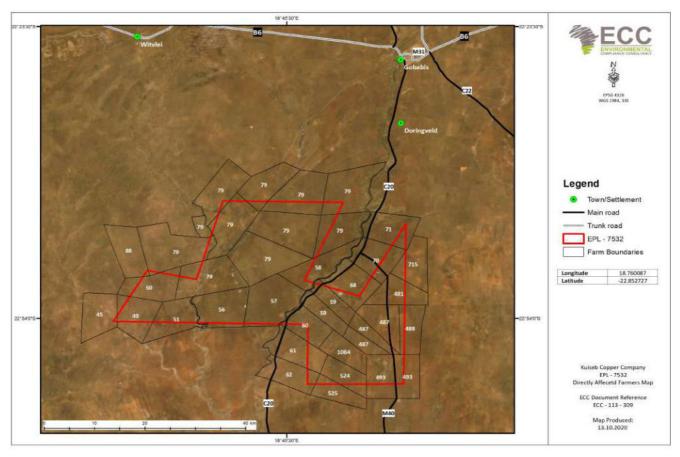


Figure 6 - Locality map of EPL 7532 with farm boundaries

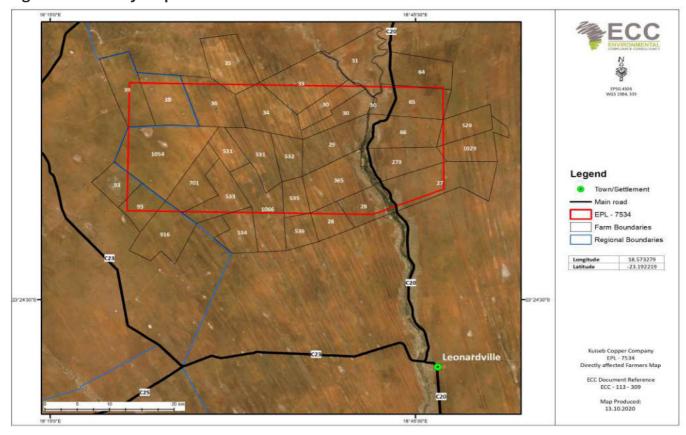


Figure 7 - Locality map of EPL 7534 with farm boundaries



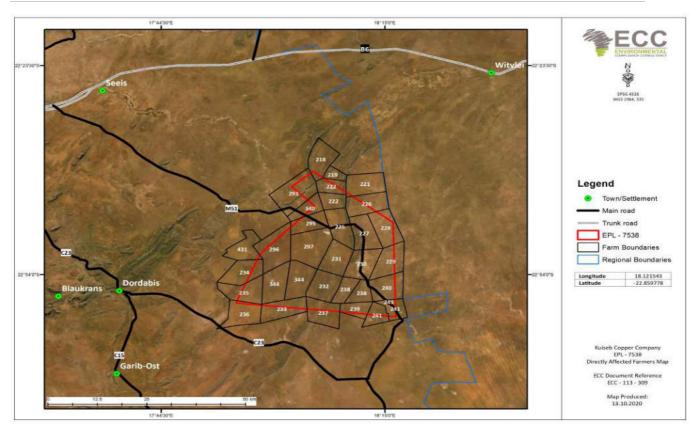


Figure 8 - Locality map of EPL 7538 with farm boundaries

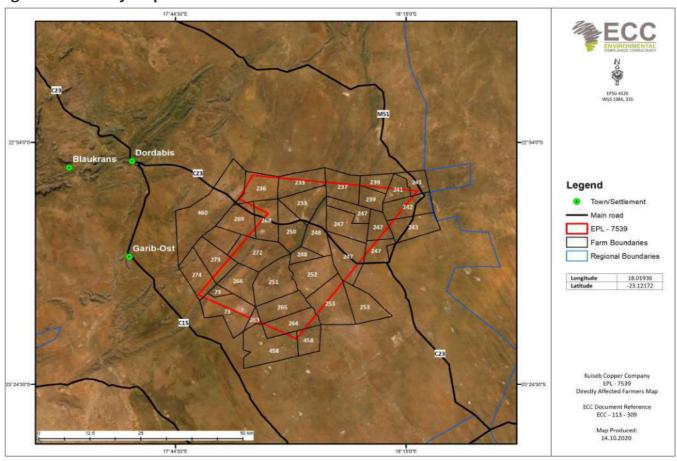


Figure 9 - Locality map of EPL 7539 with farm boundaries



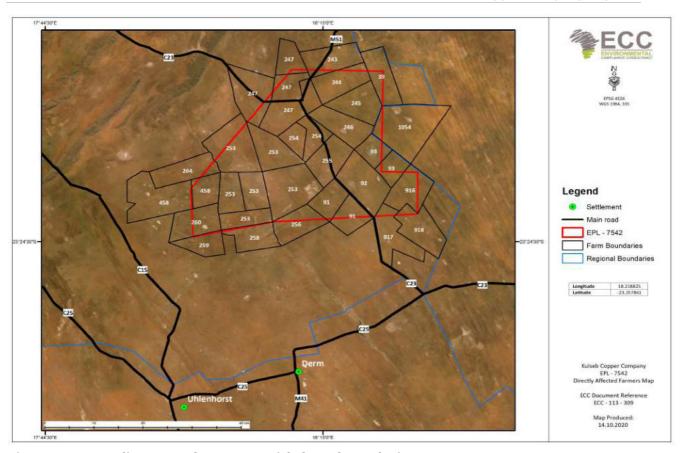


Figure 10 - Locality map of EPL 7542 with farm boundaries

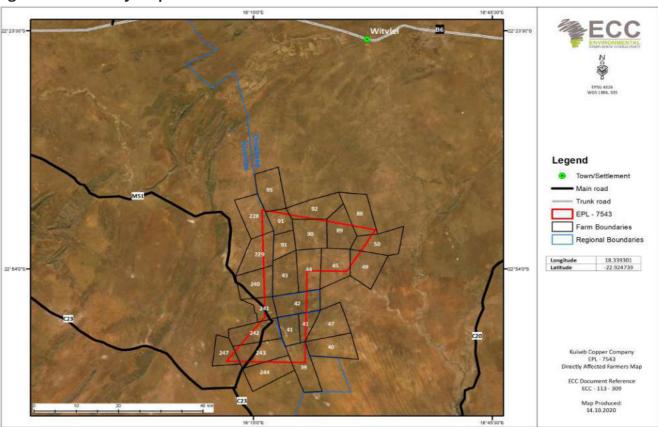


Figure 11 - Locality map of EPL 7543 with farm boundaries



Kuiseb Copper Company (Pty) Ltd

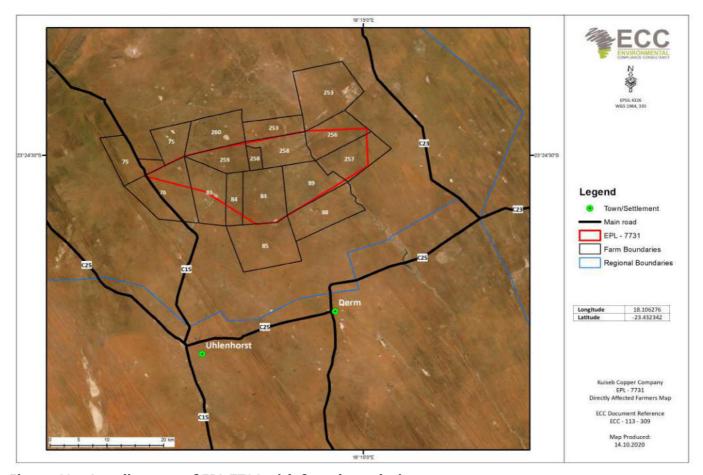


Figure 12 - Locality map of EPL 7731 with farm boundaries

2.2 EXPLORATION DRILLING PROGRAMMES

Two separate drilling operations were completed in quarter 3 and quarter 4 of 2022. The air core technique was used both as a supplement and as a substitute for soil sampling over various portions of the licence area. Diamond drilling took place in a smaller subset of areas and locations.

Prior to drilling, planned drill sample locations and pathways were cleared of vegetation to allow access for the vehicles, drill rig and support equipment. The locations of drill sites were planned along existing private roads within farm boundaries, to minimise the quantity of clearing required. The clearing team was allowed tolerance to amend the assigned location to minimise the impact on the environment or local infrastructure. Areas were cleared in a 10 m radius for air core drilling, and a 20 m radius for diamond core drilling.

Site rehabilitation included levelling of any soil disturbed by the rig or support vehicles/equipment and redistribution of all vegetation that had been removed, to limit soil erosion and to encourage new vegetation growth. All foreign materials were removed prior to mobilising to another site. Figure 13 provides a visual overview of the site rehabilitation conducted at one of the diamond drilling sites.

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Figure 13 - Site rehabilitation following completion of diamond core drilling (Source: RES)

2.3 SOIL SAMPLING

Soil sampling advanced to its third phase in quarter 4 of 2022. A total of 7317 soils were collected at assigned global positioning system (GPS) points, observed and analysed for geochemistry between 28 October 2022 and 12 December 2022. The proposed regional grid covered, fully or partially, all EPLs in the Khomas Region of Namibia (EPL 7530, 7531, 7532, 7538, 7539, 7542 and 7543) and expanded coverage from soil sample grids completed in earlier phases within these licences (Figure 14). Soil sampling was completed on a total of 67 individual farms/properties. Additional farm owners were approached for sampling in 2023. This includes sampling planned for EPLs 7533, 7730 and 7732.

Figure 15 provides a visual overview of soil sampling fieldwork utilising a GPS.



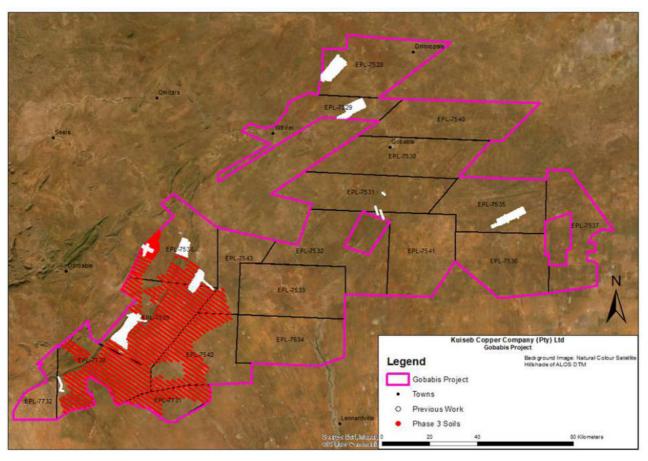


Figure 14 – Soil sampling map - sampling conducted during the reporting period indicated in red. Sample locations from previous phases indicated in white (Source: RES).



Figure 15 - GPS navigation to an assigned soil sampling line on foot (Source: RES)

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2.4 AIR CORE DRILLING

The air core drilling programme was conducted between 22 June and 18 July 2022. The rig, equipment and services were provided by Wallis Drilling. A total of 2698 m of core were recovered, logged and analysed for geochemistry by pXRF from 235 drill holes (collars) distributed over 5 areas of interest (Figure 16) on farms Doornpoort, Nina, Schwarzwald, Holzburg and Hondeblaf.

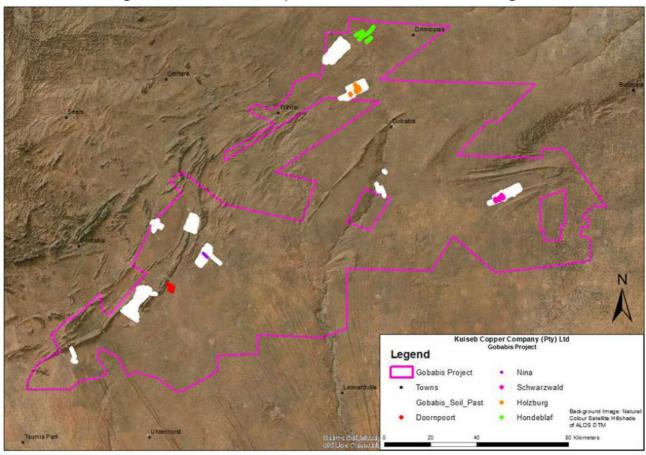


Figure 16 - Air core drilling collar locations, divided into 5 areas (Doornpoort, Nina, Schwarzwald, Holzburg and Hondeblaf). Prior soil sample locations in white (Source: RES).

2.5 DIAMOND DRILLING

The first diamond drilling phase started on 15 August 2022 and was finalised on 02 November 2022. Diamond drilling was performed by Mitchell Drilling Namibia (Pty) Ltd using their Sandvik MDI1101 rig. A total of 1501.11 m of core was drilled from 10 collars in 4 areas of interest (EPL 7529, 7535, 7538 and 7539) (Figure 17). The actual depth of the geological boreholes drilled ranged from 44.5 m to 231.28 m. The recovered core was logged and analysed, and then the recovered material was submitted to ALS Global for geochemical analysis.

Figure 18 presents a visual overview of the diamond core drilling equipment utilised during the drilling programme.



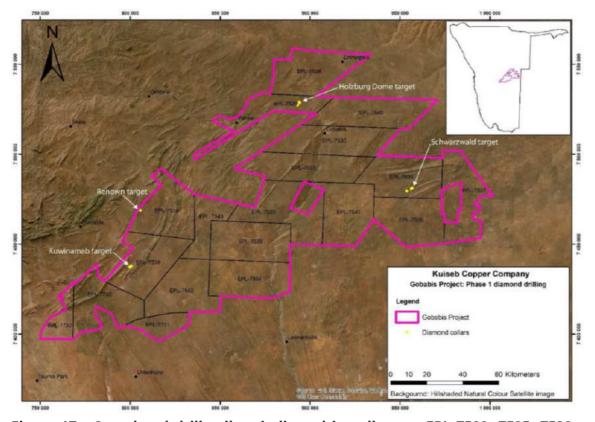


Figure 17 - Completed drill collars indicated in yellow on EPL 7529, 7535, 7538 and 7539 (Source: RES)



Figure 18 - Diamond core drill rig utilised for the drilling programme activities (Source: RES)



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2.6 AIRBORNE ELECTROMAGNETIC SURVEY

Phase 2 of AEM survey took place in December 2022. Flights took place to collect data over EPLs in the Khomas Region of Namibia (EPL 7529, 7530, 7531, 7532, 7534, 7538, 7539, 7542, 7543 and 7731). The survey was completed by the RSA-based contractor New Resolution Geophysics pilots and support team.

A total of 2753 line-kilometres were flown during the survey. The AEM survey, flown at a coarse 1600 m line spacing, directed NW-SE, covered a total of 68 farms or portions thereof. Farmers were contacted beforehand and a CA was signed with each, ensuring that Kuiseb Copper Company would cover the costs of any proven infrastructure damage or injury to wildlife or cattle which may have resulted from the survey. No such instances arose, and there were no adverse reports from any of the farmers. High resolution satellite images were provided to each farmer whose property was covered by the AEM survey.



3 EXPLORATION EMP COMPLIANCE AUDIT

This section provides an overview of the compliance with EMP requirements as depicted in the approved EMP for all EPLs (Appendix A). No non-conformances were reported for the period under review.

Table 2 - Exploration EMP compliance audit

Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Access and	- Miscommunication	- Ensure documented permission to enter farms is	- Compliant	– Open
site	with the farm	enforced,		communication
preparation	owners,	- Farmers should have access to all farm areas at all		and landowner
	 Disruption of farm 	times,		liaison with farm
	operations (leaving	- Existing water points and feeding areas need to be		owners/managers
	gates open, loss of	left, unaffected,		where activities
	farming area,	Use existing roads for access to avoid new tracks		have taken place
	interference at	and cut lines,		during the
	water points)	- Compliance with all applicable laws and		reporting period.
	 Potential conflict 	agreements.		 The drilling and
	with farm owners			exploration teams
	and neighbours			move together on
	(suspicious			existing tracks and
	movement,			stay away from
	poaching, stock			farming activities.
	theft, field fires,			 For the AEM
	etc.).			survey, sensitive
				areas were
				avoided. The flight
				line was deviated





Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
				by 150 m from homesteads, cattle posts if herds were present and other sensitive areas (e.g. vulnerable species such as vultures).
	 Potential grievances and complaints, Social discomfort and anxiety 	 Develop and implement an environmental and social operation manual or procedures to work on private farms and implement monitoring programmes thereafter, Maintain continuous communication with interested and affected parties (I&APs) to identify concerns and mitigation measures, Compliance with all applicable laws and agreements, Train personnel and raise awareness to sensitize them about contentious issues such as stock theft and poaching, Ensure appropriate supervision of all activities daily, Accidents and incidents need to be reported to exploration manager and recorded in the incident register. 	- Compliant	 Open communication and landowner liaison with farm owners/managers where activities have taken place during the reporting period. Consent agreements signed with farm owners before exploration activities can proceed.





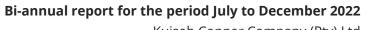
11 APRIL 2023

Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
General exploration activities	- Residing and nesting organisms can be disturbed, injured or killed by movement of vehicles and equipment	 Restrict movements to areas of activities only, Use existing tracks and routes as far as practically possible, Identify rare, endangered, threatened and protected species in advance such as the white or black rhino, Route new tracks around sensitive areas inhabited by protected species (i.e., pangolins, etc.), 	- Compliant	 Daily supervision on site by geologists. For the AEM survey, sensitive areas were avoided. The flight line was deviated by 150 m from homesteads, cattle posts if herds were
		 Restrict movements to daytime hours, Sensitize personnel by training and creating awareness amongst them and notify them to avoid some areas, No driving off designated access routes (into the bush) or any off-road, No animals or birds may be collected, caught, consumed or removed from site. 		present and other sensitive areas (e.g. vulnerable species such as vultures). The drilling and exploration teams move together on existing tracks and stay away from farming activities, where possible. All field staff are always under supervision and



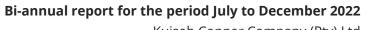


Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
				have been informed of what areas to avoid on the respective farms.
	- Residing and nesting organisms can be disturbed as a result of ambient noise from operations	 Restrict excessive noise to areas of activities only, Restrict excessive noise to daytime hours (7 am to 5 pm weekdays and 7 am until 1 pm on Saturdays), No activities are allowed between dusk and dawn, 	- Compliant	 Open communication and landowner liaison with farm owners/managers where activities





Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
	and movements of vehicles and equipment - Conflict with farmers and neighbours about rising of ambient noise levels - Visual disturbances	 Drill equipment shall be suitably positioned to ensure that noisy equipment is away from receptors, Residents shall be provided at least two weeks' notice of drilling operations within 1 km of their property, All equipment to be shut down or throttled back between periods of use, Adhere to civil aviation regulations about the use of a drone, if necessary. Position drill equipment and other heavy equipment in such a way that it is out of sight from human receptors; 	- Compliant	have taken place during the reporting period. - Exploration activities restricted to daytime (08:00 – 17:00). - No non- conformances reported.
		 Barriers or fences shall be used if drilling occurs in locations that may affect residents or livestock Maintain good housekeeping standards on site, Maintain continuous communication with I&APs to identify concerns and mitigation measures. 		- The Proponent to ensure compliance with the requirements of the EMP.
	- Dust and emissions	 All vehicles and machinery or equipment to be shut down or throttled back between periods of use, Use existing access roads and tracks where possible, Apply dust suppression where possible, 	- Compliant	 No non- conformances reported. The Proponent to ensure compliance with the





Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		 Restrict the speed of vehicles (<30 km/h), Specific activities that may generate dust and impact on residents shall be avoided during high wind events, Residents need to be informed at least two weeks in advance that drilling operations are within 1km of their property, Vehicles and machinery are to be regularly serviced according to the manufacturers' specifications and kept in good working order so as to minimise exhaust emissions. 		requirements of the EMP.
	 Loss of soil quality due to mixing of earth matter, trampling, compaction, and pollution, Enhanced soil erosion 	 Where possible, plan access routes, drill pads and camps outside of existing drainage lines, Where necessary, install diversions to curb possible erosion, Restore drainage lines when disturbed, Topsoil should be stockpiled separately, and respread during rehabilitation, Limit the possibility of compaction and creating of a hard subsurface, Limit the possibility of trampling, During drilling oil absorbent matting should be placed under and around the rig, 	- Compliant	 No non-conformances reported. Mitigation measures employed during drilling to prevent unnecessary disturbance. Rehabilitation was conducted for all drilling programmes.

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Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		 Equipment must be in a good condition to ensure that accidental oil spills do not occur and contaminate soil, In the event of spills and leaks, polluted soils must be collected and disposed of at an approved site, Limit the possibility of mixing mineral waste with topsoil. 		 Site rehabilitation included levelling of any soil disturbed by the rig or support vehicles/equipment and redistribution of all vegetation that had been removed.
	- Groundwater contamination	 Ensure drill pads and spill kits are in place on site, Consider alternative sites when the water table is too high, Wastewater shall be contained, Where possible, water from existing water sources shall be used. 	- Compliant	 Air core drilling is a dry process and thus no wastewater is generated by this drilling method. No non-conformances reported for the diamond drilling programme. The Proponent to ensure compliance with the





Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
				requirements of the EMP.
Airborne EM survey (AEM) over the EPL, possible low flying, indication of line spacing	- Perceived impact from low-flying EM survey activities on livestock and humans.	 Prior to conducting aerial surveys, both directly and indirectly affected parties should be informed in writing at least 2 weeks prior, The following information is to be included in the written communication sent to the interested and affected parties. This can be in the form of a Press Notice; Company name, Survey dates, time and duration, Purpose of the survey, Flight altitude, Survey location, map of survey area and flight lines, and Contact details for enquiries. 	- Compliant	 Prior to conducting aerial surveys, both directly and indirectly affected parties were informed in writing at least 2 weeks prior to commencement, and verbally 2 days prior to flights over specific farms. A total of 69 CAs were signed by I&APs at least 2 weeks prior to the activity taking place. Engagements took place as required and daily notifications were sent to farm

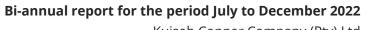






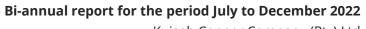


Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
				of all vegetation
				that had been
				removed, to
				encourage re-
				vegetation.
	– Alien plants and	All project equipment arriving on site from an area	- Compliant	– Induction is
	weeds can	outside of the project or coming from an area of		conducted and
	accidentally be	known weed infestations (not present on the		training/awareness
	introduced	project site) should have an internal weed and		is raised.
		seed inspection completed prior to equipment		– The Proponent to
		being used,		ensure compliance
		– Ensure contractors receive induction on spread of		with the
		alien weed,		requirements of
		Ensure the potential introduction and spread of		the EMP.
		alien plants is prevented,		
		Ensure the correct removal of alien invasive		
		vegetation and prevent the establishment and		
		spread of alien invasive plants,		
		Eradicate weeds and alien species as soon as they		
		appear,		
		Make workers aware about alien species and		
		weeds.		
Fuel handling	 Soil contamination 	Storage	- Compliant	- No non-
and storage,	– Water	– Label chemicals appropriately,		conformances or
maintenance	contamination			incidents reported.



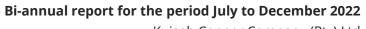


Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
on	– Enhance	Chemicals with different hazard symbols should		- The Proponent to
equipment,	accidental veld	not be stored together - clear guidance on the		ensure compliance
machinery	fires during high	compatibility of different chemicals can be		with the
and vehicles	wind periods	obtained from the material safety data sheets		requirements of
		(MSDS) which should be readily available,		the EMP.
Inadequate		- Store chemicals in a dedicated, enclosed, and		
control or		secure facility with a roof and concrete floor.		
accidental		Chemical tanks should be completely contained		
releases of		within secondary containment such as bunding,		
hazardous		 Consider the feasibility of substituting hazardous 		
substances		chemicals with less hazardous alternatives,		
on site		- Storage and handling of fuels and chemicals shall		
		be in compliance with relevant legislation and		
		regulations,		
		– Fuels, lubricants, and chemicals are to be stored		
		within appropriately sized, impermeable bunds or		
		trays with a capacity not less than 110% of the total		
		volume of products stored.		
		Fire risk		
		– No open fires are allowed to be lit by personnel,		
		associated with the proponent anywhere on the		
		EPL outside of dedicated campsites,		



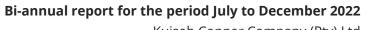


Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		The proponent to ensure that exploration		
		campsites have proper cooking facilities available		
		to use. Gas stoves are the preferred option,		
		- No cigarette butts are allowed to be discarded into		
		the environment. These should be contained in		
		appropriate domestic containment bins and		
		disposed of at the local landfill site,		
		 No unauthorised movement beyond the 		
		exploration areas and campsites is allowed,		
		 Proper fire hazard identification signage to be 		
		placed in areas that store flammable material (e.g.,		
		hydrocarbons		
		and gas bottles),		
		 Control and reduce the potential risk of fire by 		
		segregating and safe storage of materials,		
		 Avoid potential sources of ignition by prohibiting 		
		smoking in and around facilities,		
		 Fire extinguishers should always be at designated 		
		areas and should be inspected regularly.		
		Spills		
		- Spill kits with the following items as a minimum		
		should be made available on site:		
		 Absorbent materials, 		
		o Shovels,		





Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		Heavy-duty plastic bags,		
		 Protective clothing (e.g., gloves and overalls), 		
		- Major servicing of equipment shall be undertaken		
		offsite or in appropriately equipped workshops,		
		- For small repairs and unavoidable and necessary		
		maintenance activities all reasonable precautions		
		to avoid oil and fuel spills must be taken (i.e., spill		
		trays, impervious sheets),		
		 Provision of adequate and frequent training on 		
		spill management, spill response and refueling		
		must be provided to all onsite personnel,		
		 No refueling is to take place within 50 meters of 		
		groundwater boreholes, surface water or streams.		
		 Vehicles and machinery are to be regularly 		
		serviced to minimise oil and fuel leaks,		
		All major petroleum product spills (spill of more		
		than 200 litres per spill) should be reported to the		
		Ministry of Mines and Energy (MME) on Form		
		PP/11 titled "Reporting of major petroleum product		
		spill', attached as Appendix B.		
		The following points therefore apply to all areas on		
		the site:		
		 Assess the situation for potential hazards, 		





Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		Do not come into contact with the spilled		
		substance until it has been characterised and		
		necessary personal protective equipment (PPE) is		
		provided,		
		– Isolate the area as required.		
		The following measures are to be implemented in		
		response to a spill:		
		 Spills are to be stopped at source as soon as 		
		possible (e.g. close valve or upright drum),		
		 Spilt material is to be contained to the smallest 		
		area possible using a combination of absorbent		
		material, earthen bunds or other containment		
		methods,		
		- Spilt material is to be recovered as soon as		
		possible using appropriate equipment. In most		
		cases, it will be necessary to excavate the		
		underlying soils until clean soils are encountered,		
		 All contaminated materials recovered subsequent 		
		to a spill, including soils, absorbent pads and		
		sawdust, are to be disposed to appropriately		
		licensed facilities,		
		- A written incident report must be submitted to the		
		general manager.		



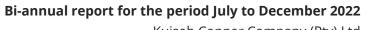


A -4: -1	Detential impacts	Management/mitigation managemen	Compliance	Commonts
Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Generation of waste	 Soil contamination Water contamination Nuisance (visual impacts, litter) Ecological risks 	 Good housekeeping standards applied on site, Training and raise awareness through toolbox talks and induction, Implement a standard operational procedure (SOP) on waste management, from all kinds of waste possible on-site (e.g. hydrocarbons, domestic, wastewater), Implement a culture of correct waste collection, waste segregation and waste disposal, complimentary to the waste hierarchy – avoid, reuse, recycle, Wastewater discharges will be contained – no disposal of wastewater directly into the environment is allowed. 	- Compliant	 Toolbox talks are provided by the drilling company foreman prior to the start of air core or diamond drilling activities. An SOP is in place. Solid waste is collected on site and disposed of at the Gobabis landfill site. The Proponent to ensure compliance with the requirements of the EMP. No non-conformances
Water use	Soil contaminationGround and surface water contamination	Minimise the operational consumption of water throughout the operations of the project,	- Compliant	reported. - No non- conformances reported.





Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
	- Nuisance (visual and odour)	 Visual monitoring and photographic record should be kept of any surface and / or groundwater intersected, Recycle wastewater, where possible, Install devices to prevent spills and overfills, e.g. shutoff devices for large volume tanks (e.g. > than 2000 L), Install an impermeable hardstand in areas of highrisk contamination to prevent ground infiltration by pollutants, Segregation of wastewater (domestic and industrial effluent), During operations, monitoring of wastewater discharges (specific to a wastewater discharge permit conditions) should be conducted on a regular basis (quarterly). 		- The Proponent to ensure compliance with the requirements of the EMP.
Heritage	– Disruption of heritage sites	 In case of discovering or unearthing heritage sites, particularly palaeontological or archaeological finds, the following measures (chance find procedure) shall be applied: Work to cease, area to be demarcated with appropriate tape by the site supervisor, and the site manager to be informed, The site manager to visit the site and determine whether work can proceed without damage to 	- Compliant	 No non- conformances observed. Chance find procedure implemented if required.





11 APRIL 2023

Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		findings, mark exclusions boundary and inform the environment and social manager with the GPS position if possible, - If works cannot proceed without damage to findings, the site manager to inform the environmental manager who will get in touch with an archaeologist who will provide advice, - Exploration manager or archaeological specialist to evaluate the significance of the remains and identify appropriate action, for example, record and remove; relocate or leave in situ (depending on the nature and value of the remains) - Inform the police if the remains are human, and - Obtain appropriate clearance or approval from the competent authority, if required, and recover and remove the remains to the national museum or national forensic laboratory as directed.		
Job creation, skills development and business opportunities	Beneficial socio- economic impacts on a local and regional scale	 Maximise local employment and local business opportunities, Enhance the use of local labour and local skills as far as reasonably possible, Ensure that goods and services are sourced from the local and regional economy as far as reasonably possible. 	– Compliant	- Evidence of local employment and local business opportunities.



Kuiseb Copper Company (Pty) Ltd

4 CONCLUSION

No environmental non-conformances or complaints were recorded during the period under review.

Landowner liaison took place with landowners before all exploration activities could be conducted and CA's were signed. A successful resettlement community meeting was held on-site on the farm Versailles, in whereby the Proponent described KCC's various planned activities, including the AEM survey and proposed follow-up fieldwork, to the community.

Fieldwork activities included the following during the period under review: soil sampling, air core drilling, diamond drilling and the second phase of the AEM survey.

Fieldwork involved utilising existing access tracks and walking where driving was not possible. Sampling techniques during the soil sampling were non-invasive and therefore no rehabilitation was required to be conducted. Soil sampling was conducted on EPLs 7530, 7531, 7532, 7538, 7539, 7542 and 7543. Air core drilling involved the use of a drill rig mounted on the back of a vehicle, whereby samples were removed with a drill bit and no chemicals were used. Air core drilling was conducted on EPLs 7528, 7529, 7535, 7438 and 7539. Diamond drilling involved the use of a diamond drill rig to remove the core, with support vehicles and equipment. Wastewater is produced from the rig during the process and contained externally accordingly in containers or shallow trenches/pits. Diamond drilling was conducted on EPLs 7529, 7535, 7438 and 7539.

Prior to drilling, planned drill sample locations and pathways were cleared of vegetation to allow access for the vehicles, drill rig and support equipment. The locations of drill sites were planned along existing private roads within farm boundaries, to minimise the quantity of clearing required. The clearing team was allowed tolerance to amend the assigned location to minimise the impact on the environment or local infrastructure. Areas were cleared in a 10 m radius for air core drilling, and a 20 m radius for diamond core drilling.

Site rehabilitation included levelling of any soil disturbed by the rig or support vehicles/equipment and redistribution of all vegetation that had been removed, to limit soil erosion and to encourage new vegetation growth.

The AEM survey (phase 2), for which a separate EMP is in place, took place in December 2022. All farm owners were contacted residing on each EPL, and consent agreements were signed with 69 farm owners prior to the commencement of the survey. In addition, farmers were informed 2 days prior to surveying their farms in order to ensure farm owners are informed of the activities and to remediate any immediate concerns that might arise. The AEM survey took place over EPLs 7529, 7530, 7531, 7532, 7534, 7538, 7539, 7542, 7543 and 7731. The survey was completed by the RSA-



Kuiseb Copper Company (Pty) Ltd

based contractor New Resolution Geophysics pilots and support team. High-resolution satellite images were provided to each farmer whose property was covered by the AEM survey.

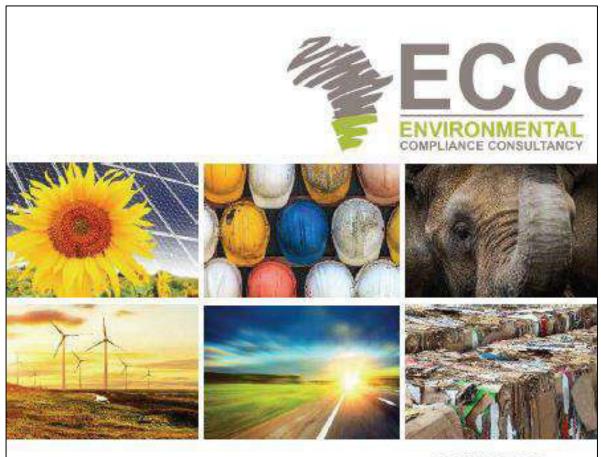
Soil sampling could not be completed for areas of interest at target farms in EPLs 7533, 7730 ad 7732 during the reporting period and this work will be completed in 2023. No other work was carried out on these EPLs during the reporting period.

No work was conducted on the following EPLs during the reporting period: EPL 7535, 7536, 7537, 7540 and 7541.



Kuiseb Copper Company (Pty) Ltd

APPENDIX A – EXPLORATION ENVIRONMENTAL MANAGEMENT PLAN FOR ALL EPLS



ECC-113-309-REP-65-A

ENVIRONMENTAL MANAGEMENT PLAN

EXPLORATION ACTIVITIES
FOR BASE AND RARE METALS, PRECIOUS METALS,
KHOMAS AND OMAHEKE REGIONS

PREPARED FOR KUISEB COPPER COMPANY (PTY) LTD

DECEMBER 2020

PO BOX 91193 Windboek Asymblar Environmental Compliance Consultancy CC CC/3013/11464

Kuiseb Copper Company (Pty) Ltd

APPENDIX B – KCC EPLS ENVIRONMENTAL CLEARANCE CERTIFICATES (KHOMAS REGION)









Kuiseb Copper Company (Pty) Ltd

ECC - 01420 Serial: ND6O291420



REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental

Management Act (Act No. 7 of 2007)

TO

Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Exploration activities on EPL 7732 for base and rare metals, precious metals, Khomas Region.

Issued on the date:

2021-06-14

Expires on this date:

2024-06-14

(See conditions printed over leaf)

This certificate is printed without erasures or alterations

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ENVIRONMENTAL COMMISSIONER







Kuiseb Copper Company (Pty) Ltd

ECC - 001406 Serial: sjleQF1406



REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental

Management Act (Act No. 7 of 2007)

TO

Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Exploration activities on EPL 7539 for base and rare metals, precious metals in the Khomas Region

Issued on the date:

2021-06-08

Expires on this date:

2024-06-08

(See conditions printed over leaf)

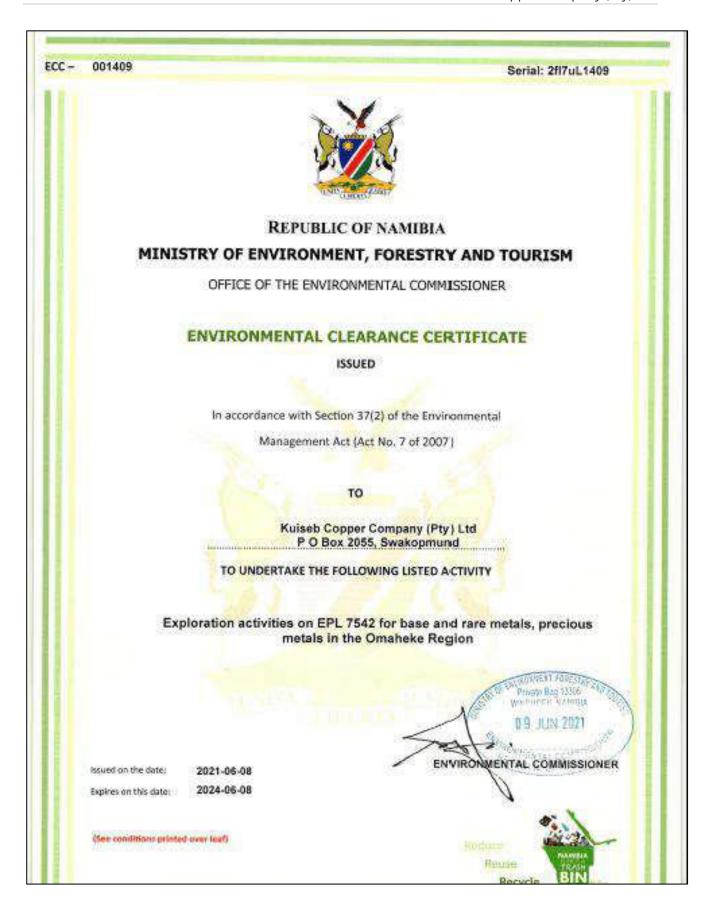
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Private Bag 13306





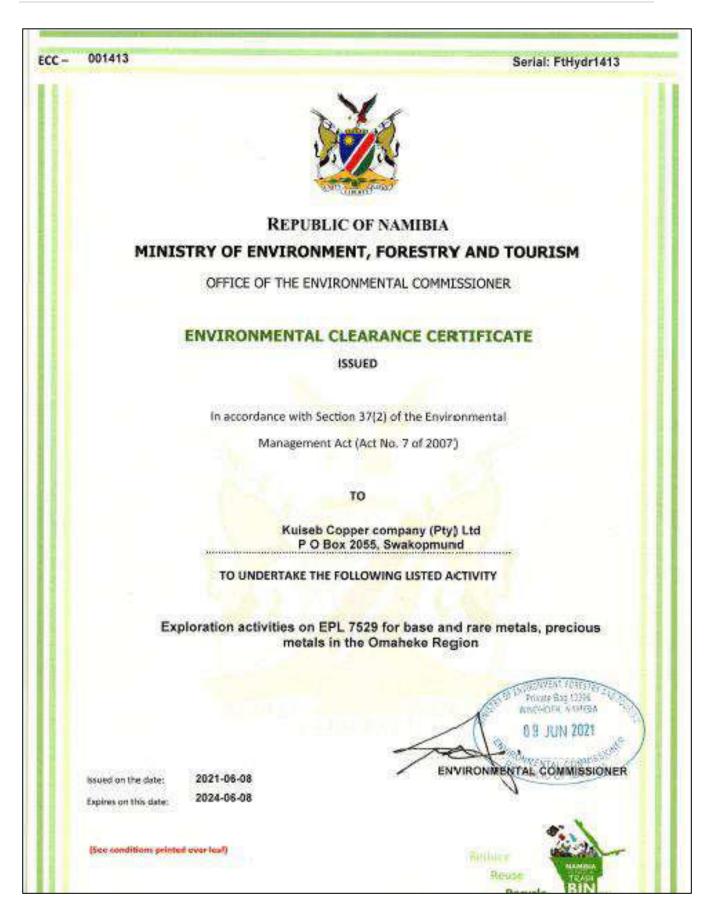


Kuiseb Copper Company (Pty) Ltd

APPENDIX C – KCC EPLS ENVIRONMENTAL CLEARANCE CERTIFICATES (OMAHEKE REGION)

















Kuiseb Copper Company (Pty) Ltd

01223 ECC-

Serial: G2ifZO1223



REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental Management Act (Act No. 7 of 2007)

TO

Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Exploration activities on EPL 7532 for base and rare metals, precious metals, Omaheke Region.

Issued on the date:

2021-02-09

Expires on this date:

2024-02-09

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PAGE 52 OF 70









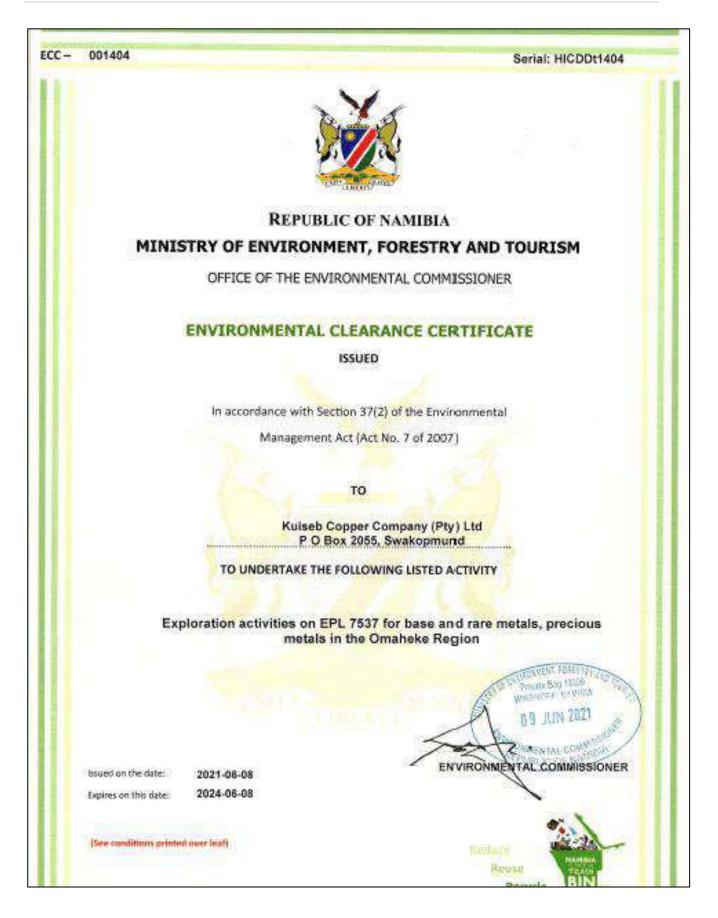




























Kuiseb Copper Company (Pty) Ltd

APPENDIX D – KCC AIRBORNE ELECTROMAGNETIC (AEM) SURVEY ENVIRONMENTAL CLEARANCE CERTIFICATE





Kuiseb Copper Company (Pty) Ltd

APPENDIX E – CONSENT AGREEMENT SIGNED WITH RESPECTIVE FARM OWNERS DURING THE REPORTING PERIOD

Farm name	Farm number	EPL number	Exploration
			activities planned
Achab	093/01	EPL 7542	AEM survey
	093/REM	EPL 7534	completed
Achenib	247/R/A	EPL 7539	Soil sampling
			completed
			AEM survey
			completed
Achenib South	247/02/A	EPL 7542	Soil sampling
			completed
			AEM survey
			completed
Aida	296	EPL 7538	Soil sampling
			completed
			Diamond drilling
			completed
			AEM survey
			completed
Albano	264	EPL 7539	Soil sampling
		EPL 7730	completed
		EPL 7542	AEM survey
			completed
Alice	237	EPL 7539	Soil sampling
		EPL 7538	completed
Alt-Hartebeestvlei	431/REM	EPL 7538	AEM survey
			completed
Alt Nonikam	253/03	EPL 7542	Soil sampling
			completed
			AEM survey
			completed
Anias North A	084/00001	EPL 7731	Soil sampling
			completed
			AEM survey
			completed
		l	1



Farm name	Farm number	EPL number	Exploration
			activities planned
Anias North	084/00REM	EPL 7731	Soil sampling
			incomplete
			AEM survey
			completed
Anstatt	250	EPL 7539	Soil sampling
			incomplete
			AEM survey
			completed
Barrow	916	EPL 7542	AEM survey
			completed
Beenbreck	76	EPL 7731	Soil sampling
			completed
			AEM survey
			completed
Christirina	259	EPL 7731	Soil sampling
			completed
			AEM survey
			completed
Corsica	89	EPL 7731	Soil sampling
			incomplete
			AEM survey
			completed
Den Haag	68/R	EPL 7730	Soil sampling
			completed
			AEM survey
			completed
Den Haag_Kuile	68/3	EPL 7732	Soil sampling
			incomplete
			AEM survey
			completed
Doornpoort	248	EPL 7539	Soil sampling
			completed
			Air core drilling
			completed
Dornfontein	258/00001	EPL 7731	Soil sampling
	258/00REM		completed
			AEM survey
			completed
			completed



Farm name	Farm number	EPL number	Exploration
			activities planned
Dornfontein East	256	EPL 7731	Soil sampling
		EPL 7542	completed
Dornfontein South	257	EPL 7731	Soil sampling
			completed
			AEM survey
			completed
Dornenpfanne-Sud	260	EPL 7542	Soil sampling
		EPL 7730	completed
			AEM survey
			completed
Dudoabid	57	EPL 7530	AEM survey
			completed
Ellof	194/02	EPL 7730	Soil sampling
		EPL 7732	incomplete
Eschenhof	261	EPL 7542	Soil sampling
			incomplete
			AEM survey
			completed
Evril	244	EPL 7543	Soil sampling
		EPL 7542	completed
Faith	242	EPL 7539	Soil sampling
		EPL 7543	completed
Friesenland	143	EPL 7732	Soil sampling
			incomplete
Gameros	246	EPL 7542	AEM survey
			completed
Goliath	263	EPL 7539	Soil sampling
		EPL 7730	completed
			AEM survey
			completed
Girib East	60	EPL 7532	Soil sampling
		EPL 7730	incomplete
Gravestein	65	EPL 7732	Soil sampling
			incomplete
Gumgams	247/05	EPL 7539	Soil sampling
		EPL 7542	completed
			'



Farm name	Farm number	EPL number	Exploration
			activities planned
			AEM survey
			completed
Hannover	70	EPL 7730	Soil sampling
			completed
			AEM survey
			completed
Heimat	344/01	EPL 7538	Soil sampling
			completed
			AEM survey
			completed
Helder	380	EPL 7528	Air core drilling
			completed
Helene	231	EPL 7538	Soil sampling
			completed
			AEM survey
			completed
Hexenkessel	887	EPL 7732	Soil sampling
			incomplete
Holzburg	1045	EPL 7529	Air core drilling
			completed
			Diamond drilling
			completed
Hondeblaf	163/REM	EPL 7528	Air core drilling
	163/01		completed
Норе	243	EPL 7539	Soil sampling
		EPL 7543	completed
		EPL 7539	
Jakalswater	91/R	EPL 7542	AEM survey
			completed
Julia	239/R	EPL 7539	Soil sampling
	239/01		completed
			Air core drilling
			completed
Keerweerder	518 (247/4)	EPL 7539	Soil sampling
			completed
			AEM survey
			completed



Farm name	Farm number	EPL number	Exploration
			activities planned
Kiripotib	262	EPL 7730	Soil sampling
	458/01		completed
			AEM soil sampling
			completed
Klein Nauas	073/2	EPL 7539	Soil sampling
	073/00003	EPL 7730	completed
	073/REM		AEM survey
	073/00001		completed
Klippiespan	238/REM	EPL 7538	Soil sampling
			completed
Kous	66	EPL 7732	Soil sampling
			incomplete
			AEM survey
			completed
Kowas Neuhof	233/2	EPL 7539	Soil sampling
		EPL 7538	incomplete
			AEM survey
			completed
Kowas	233/R	EPL 7539	Soil sampling
			completed
			AEM survey
			completed
Kuwinamab	266/267	EPL 7539	Soil sampling
			completed
			Diamond drilling
			completed
Lacockshoop	297	EPL 7538	AEM survey
-			completed
Lauwater Ost	252	EPL 7539	Soil sampling
			completed
			AEM survey
			completed
Lauwater South	265	EPL 7539	Soil sampling
			completed
			AEM survey
			completed
Lauwater West	251	EPL 7539	Soil sampling
	251		completed
			Completed



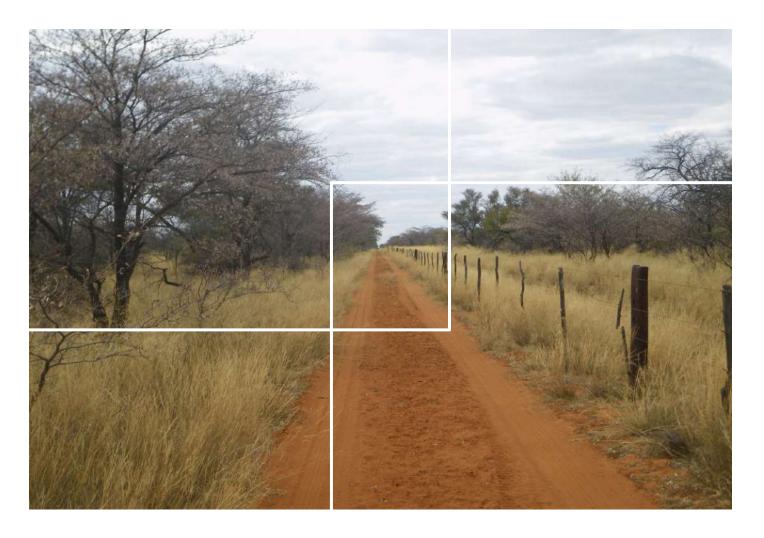
Farm name	Farm number	EPL number	Exploration
			activities planned
Lekkerwater	142	EPL 7732	Soil sampling
	143/00REM		incomplete
Libra	068/00002	EPL 7730	Soil sampling
			completed
Marguerite	238	EPL 7538	Soil sampling
			completed
Moedersrus	072/001	EPL 7730	Soil sampling
(now Mimosa)	072/00REM		completed
			AEM survey
			completed
Nantes	071/00001	EPL 7730	Soil sampling
			completed
Nautabis	268	EPL 7539	Soil sampling
			completed
			AEM survey
			completed
Nina	241/1	EPL 7538	Soil sampling
		EPL 7539	completed
Nonikam	253/r	EPL 7542	Soil sampling
	253/01	EPL 7539	completed
	253/04		AEM survey
			completed
Nonikam - Carolahof	253/00R/2	EPL 7542	Soil sampling
			incomplete
			AEM survey
			completed
Nonikam - Omukuru	253/05/2	EPL 7542	Soil sampling
			incomplete
			AEM survey
			completed
Pommernhagen	255	EPL 7542	AEM survey
			completed
Renette	232	EPL 7538	Soil sampling
			completed
			AEM survey
			completed
Renown	235	EPL 7538	Soil sampling
			completed



Farm name	Farm number	EPL number	Exploration
			activities planned
			AEM survey
			completed
Rice	916	EPL 7542	AEM survey
			completed
Schwarzwald	344	EPL 7535	Air core drilling
			completed
			Diamond drilling
			completed
Smalhoek	236	EPL 7539	Soil sampling
			completed
			AEM survey
			completed
Springboklaagte	269	EPL 7539	Soil sampling
			incomplete
Springboktrek	266	EPL 7539	Soil sampling
			completed
Springbockvley	92	EPL 7542	AEM survey
			completed
St Elmo	71/REM	EPL 7730	Soil sampling
			completed
			AEM survey
			completed
The Dunes	234	EPL 7538	Soil sampling
			completed
			AEM survey
			completed
Tigerpforte	59	EPL 7730	Soil sampling
			completed
			AEM survey
			completed
Tivoli	83	EPL 7731	Soil sampling
			completed
			AEM survey
			completed
Tsams	075/02	EPL 7730	Soil sampling
			completed
			AEM survey
			completed



Farm name	Farm number	EPL number	Exploration
			activities planned
Tsams_A	075/R	EPL 7730	Soil sampling
			completed
			AEM survey
			completed
Tsams_Hekuma	075/01	EPL 7730	Soil sampling
			completed
			AEM survey
			completed
Uitsig	068/00001	EPL 7730	Soil sampling
			completed
Verona	068/00004	EPL 7730	Soil sampling
			completed
Versailles	67	EPL 7730/7732	Soil sampling
			incomplete
Vorwarts	305	EPL 7528/7529	Air core drilling
			completed
			Diamond drilling
			completed



Submitted to: Kuiseb Copper Company (Pty) Ltd

Attention: Dr Branko Corner and Dr Stephan Dunn

PO Box 2055 Swakopmund Namibia

REPORT:

BI-ANNUAL REPORT FOR THE PERIOD JANUARY TO JUNE 2023

PROJECT NUMBER: ECC-113-376-REP-12-A

REPORT VERSION: REV 01

DATE: 04 SEPTEMBER 2023





TITLE AND APPROVAL PAGE

Project Name: Bi-annual report for the period January to June 2023

Client Company Name: Kuiseb Copper Company (Pty) Ltd

Client Name: Dr Branko Corner and Dr Stephan Dunn

Ministry Reference: ECC-113-376-LET-13-A

Status of Report: Final for Government submission

Project Number: ECC-113-376-REP-12-A
Date of issue: 04 September 2023

Review Period NA

ENVIRONMENTAL COMPLIANCE CONSULTANCY CONTACT DETAILS:

We welcome any enquiries regarding this document and its content. Please contact:



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Kuiseb Copper Company (Pty) Ltd

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ECC Report Nº: ECC-113-376-REP-12-A







EXECUTIVE SUMMARY

Kuiseb Copper Company (Pty) Ltd (KCC) (referred to as the 'Proponent') and Rio Tinto Mining and Exploration Ltd (RT), through a formal KCC-RT joint venture agreement, permits KCC to fully operate the exploration programme for nineteen approved exclusive prospecting licences (EPLs) for base and rare metals, and precious metals in the Khomas and Omaheke Regions.

The overall exploration project EPLs are located in the following regions:

- Khomas Region: EPLs 7730, 7731, 7732, 7538, 7539 and 7542
- Omaheke Region: EPLs 7528, 7529, 7530, 7531, 7532, 7533, 7534, 7535, 7536, 7537, 7540, 7541 and 7543

An environmental management plan (EMP) was compiled and approved for all the EPLs. An environmental clearance certificate is issued by the Ministry of Environment, Forestry and Tourism (MEFT) per EPL. Additionally, an environmental clearance certificate was issued for an airborne electromagnetic (AEM) survey over the EPLs.

Landowner liaison took place with landowners before all exploration activities could be conducted and Consent Agreements were signed.

Fieldwork activities included the following during the period under review: soil sampling, air core drilling and diamond drilling. Soil sampling was conducted on EPLs 7730, 7731, 7732, 7538, 7539, 7542, 7528, 7529 and 7543. Air core and diamond drilling was conducted on EPL 7539. The drilling activities will continue into the next reporting period, with the campaigns concluding in September 2023. The majority of exploration work was conducted in the Khomas Region during the reporting period. Rehabilitation is conducted as field activities progress.

No environmental non-conformances or complaints were recorded during the period under review.

No work was conducted on the following EPLs during the reporting period: EPL 7530, 7531, 7532, 7533, 7534, 7535, 7536, 7537, 7540 and 7541.

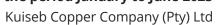
ECC Report Nº: ECC-113-376-REP-12-A



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ABBREVIATIONS

Abbreviation	Description
AEM	airborne electromagnetic
CA	consent agreement
ECC	Environmental Compliance Consultancy
e.g.	for example
EMP	environmental management plan
EPL	exclusive prospecting licence
etc.	et cetera
GPS	global positioning system
I&APs	interested and affected parties
km	kilometre
km/h	kilometre per hour
KCC	Kuiseb Copper Company (Pty) Ltd
L	litre
m	metre
MEFT	Ministry of the Environment, Forestry and Tourism
MME	Ministry of Mines and Energy
MSDS	material safety data sheets
No.	number
pXRF	portable X-ray fluorescence analyser
RES	Remote Exploration Services
RT	Rio Tinto Mining and Exploration Ltd
SOP	standard operating procedure



1 INTRODUCTION

1.1 BACKGROUND INFORMATION

Kuiseb Copper Company (Pty) Ltd (KCC) (referred to as the 'Proponent') and Rio Tinto Mining and Exploration Ltd (RT), through a formal KCC-RT joint venture agreement, permits KCC to fully operate the exploration programme for nineteen approved exclusive prospecting licences (EPLs) for base and rare metals, and precious metals in the Khomas and Omaheke Regions.

The overall exploration project EPLs are located in the following regions:

- Khomas Region: EPLs 7730, 7731, 7732, 7538, 7539 and 7542
- Omaheke Region: EPLs 7528, 7529, 7530, 7531, 7532, 7533, 7534, 7535, 7536, 7537, 7540, 7541 and 7543

Exploration is a listed activity in terms of the Environmental Management Act, No.7 of 2007, and Regulations (2012). An environmental management plan (EMP) was compiled and approved for all the EPLs. An environmental clearance certificate is issued by the Ministry of Environment, Forestry and Tourism (MEFT) per EPL. Additionally, an environmental clearance certificate was issued for an airborne electromagnetic (AEM) survey over the EPLs. The conditions and commitments of these documents must be adhered to during all exploration activities. Figure 1 provides a satellite locality overview of each EPL.

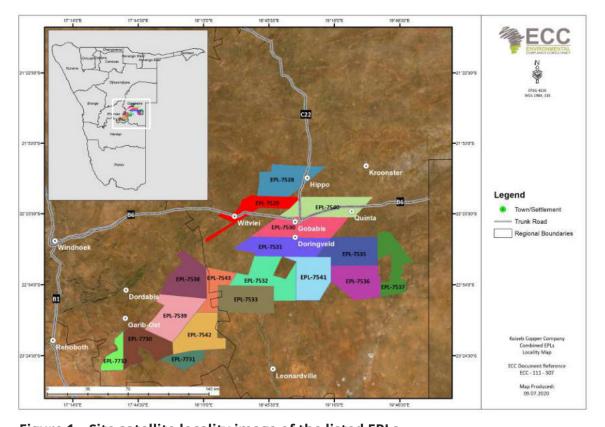


Figure 1 – Site satellite locality image of the listed EPLs



1.2 Purpose of this document

Environmental Compliance Consultancy (ECC) has been engaged by the Proponent to compile the bi-annual report for all listed EPLs for the period of January to June 2023. This report details the activities conducted by the Proponent during this reporting period. The report aims to determine if the Proponent is compliant in terms of the requirements of the approved EMP and will further be discussed in this report. No physical audit was conducted during the period under review by ECC and therefore a desktop audit has been conducted to evaluate EMP compliance for the purposes of this report.

1.3 Proponent details

Kuiseb Copper Company (Pty) Ltd is a Namibian company in a joint venture with Rio Tinto Mining and Exploration Ltd, which is a global company. The exploration program is managed by Remote Exploration Services (RES), a South African company also registered in Namibia, Remote Exploration Services External Branch Namibia (Pty) Ltd. The Proponent's details are set out in Table 1.

Table 1 - Proponent details

Contact	Postal Address	Email Address	Telephone
Kuiseb Copper Company (Pty) Ltd	P O Box 2055 Swakopmund Namibia	branko@iafrica.com.na	+264 81 124 6757
Remote Exploration Services	P O Box 97401 Maerua Mall Windhoek Namibia	stephan@res.co.za	+264 81 274 3848

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2 EXPLORATION ACTIVITIES

During the period under review, the following activities took place, i) landowner liaison, ii) soil sampling activities, iii) air core drilling activities and iv) diamond drilling activities. The air core and diamond drilling campaigns are currently ongoing and are expected to conclude in September 2023. Activities included in these campaigns geological logging, sampling and geochemical analysis with a handheld portable X-ray fluorescence analyser (pXRF). Landowner liaison is therefore actively ongoing for both of these campaigns.

No complaints were received from interested and affected parties (I&APs) during the period under review. No environmental incidents were recorded during the reporting period. A review of the compliance of the EMP commitments can be found in the table in section 3. Any recommendations will be discussed and presented in section 4.

No formal training was undertaken during the reporting period however, daily toolbox talks discussing exploration Project-specific environmental, operational and safety topics were conducted with the team prior to field work commencing,

Environmental topics covered included the following:

- Weather conditions
- Interactions with wild animals
- Snakes and snake bites
- Bee stings
- Bushfires
- Littering

No work was conducted on the following EPLs during the reporting period: EPL 7530, 7531, 7532, 7533, 7534, 7535, 7536, 7537, 7540 and 7541.

Figure 2 provides an overview of the exploration activities that were conducted during the period under review.

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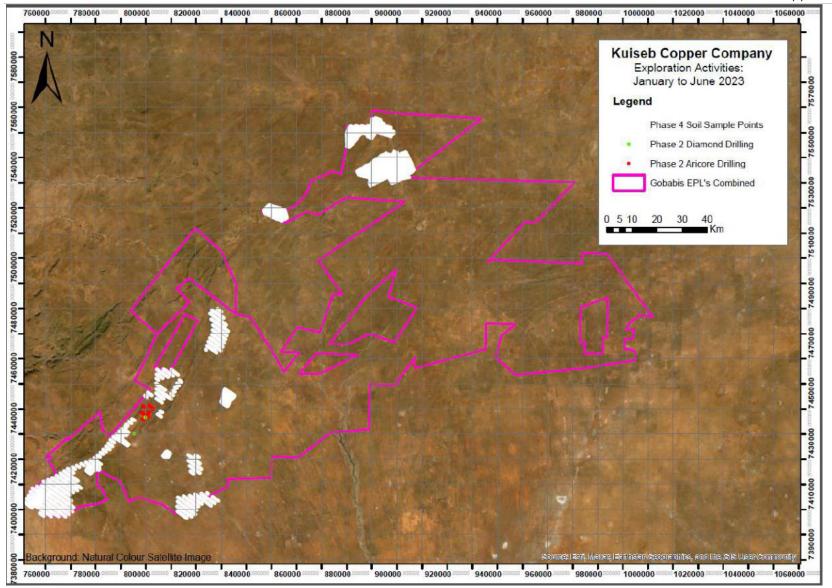


Figure 2 - Locality map depicting the various exploration activities undertaken during January to June 2023 (Source: RES)



2.1 LANDOWNER LIAISON

Contact and relationship management of landowners was undertaken by Kuiseb Copper Company management during the period under review. Remote Exploration Services engaged with landowners for phase 4 of the soil sampling programme, phase 2 of the air core drilling programme and phase 2 of the diamond drilling programme.

The majority of landowners were contacted on an individual basis via email, phone or where possible, in person. Each interaction consisted of initial contact, and a presentation of the consent agreement (CA) with a period for questions and answers. In the cases of agreement and consent, notification before the commencement of work, and upon completion was communicated, as well as disbursement of compensation for the land access.

Appendix E provides a list of the farm owners who were engaged and signed CA's per specific exploration activity. Exploration activities took place on 49 farms, respectively.

Figure 3 to Figure 11 provides locality maps per respective EPL whereby active work took place during the reporting period, with farm boundaries and farm numbers indicated.

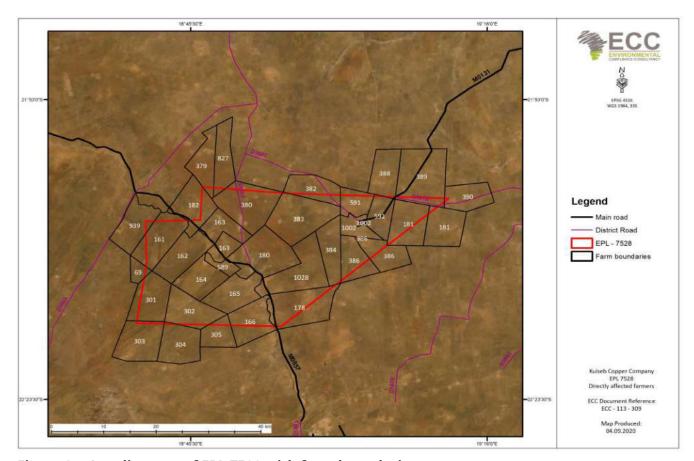


Figure 3 - Locality map of EPL 7528 with farm boundaries

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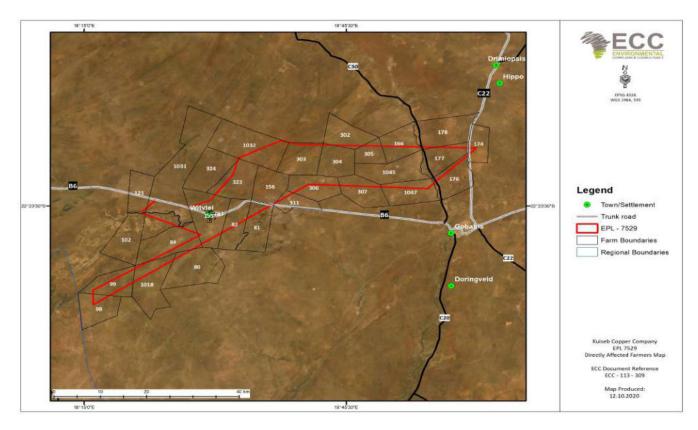


Figure 4 - Locality map of EPL 7529 with farm boundaries

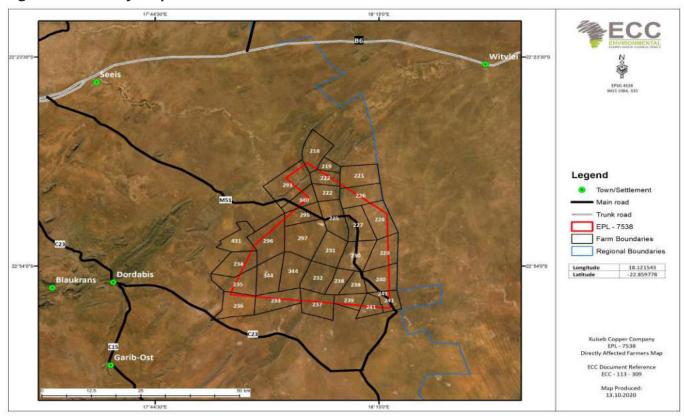


Figure 5 - Locality map of EPL 7538 with farm boundaries



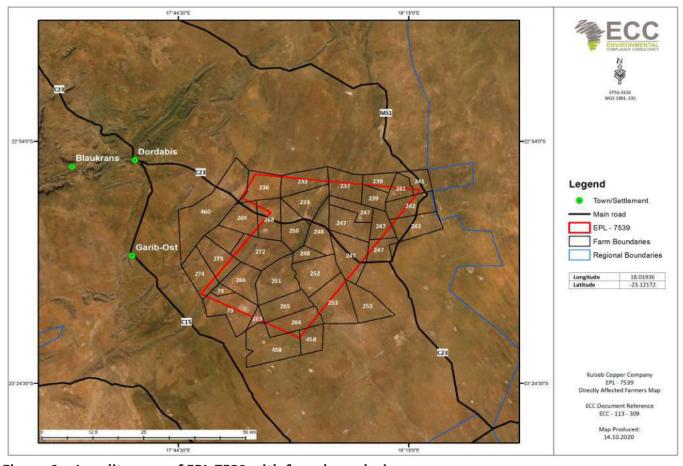


Figure 6 - Locality map of EPL 7539 with farm boundaries

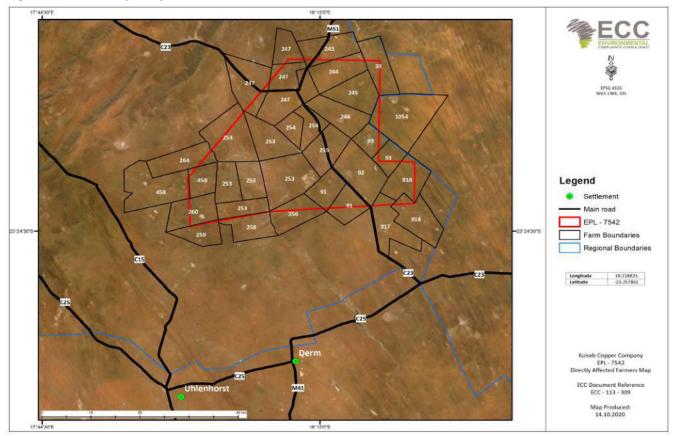


Figure 7 - Locality map of EPL 7542 with farm boundaries



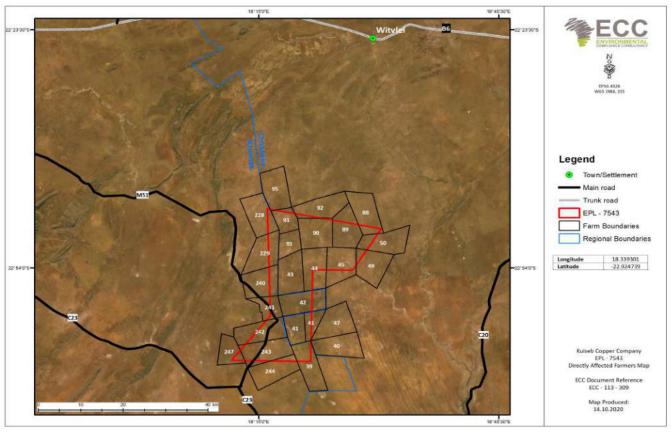


Figure 8 - Locality map of EPL 7543 with farm boundaries

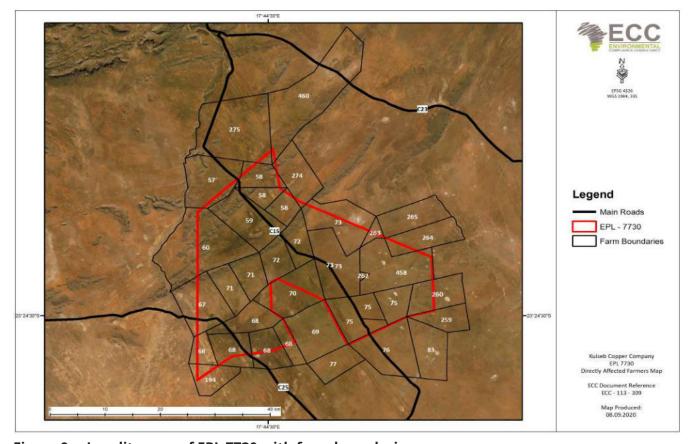


Figure 9 - Locality map of EPL 7730 with farm boundaries



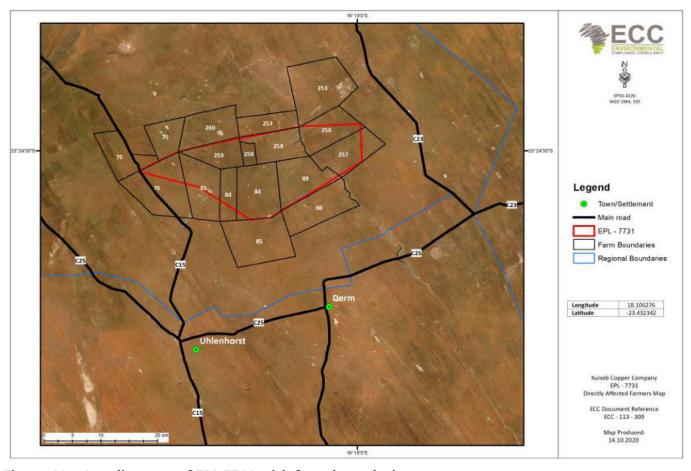


Figure 10 - Locality map of EPL 7731 with farm boundaries

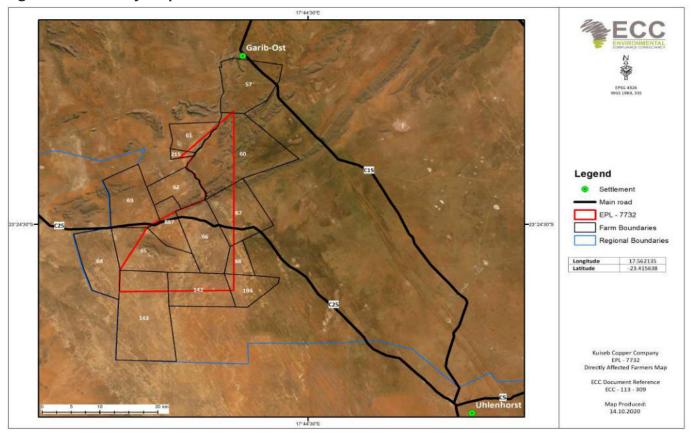


Figure 11 - Locality map of EPL 7732 with farm boundaries







2.2 SOIL SAMPLING

Soil sampling advanced to its fourth phase in quarter 1 and quarter 2 of 2023. A total of 4914 soils were collected at assigned global positioning system (GPS) points, observed and analysed for geochemistry. The proposed regional grid covered EPLs in both the Khomas (EPL 7730, 7731, 7732, 7538, 7539 and 7542) and Omaheke Regions (EPL 7528, 7529 and 7543) of Namibia, respectively. All EPLs that fall within the Khomas Region were sampled. Soil sampling was completed on a total of 49 individual farms/properties.

2.3 AIR CORE DRILLING

Phae 2 of the air core drilling programme was conducted between 14 to 30 June 2023. The rig, equipment and services were provided by Torque Africa Group. A total of 682 m of core were recovered, logged and analysed for geochemistry by pXRF from 78 drill holes (collars) distributed over two areas of interest in EPL 7539 on farms Kuwinamab (No. 272/1). Drilling depths ranged from 4 m to 47 m. This form of drilling is not very invasive and drill sites are quickly reutrned to their normal state, by backfilling the holes and rehabilitating all non-permanenet vehicle tracks associated with the activity. Drilling activities are ongoing until the drilling programme ends in September 2023. Air core drilling will continue on farms Kuwinamab and include a third area of interest in EPL 7539 on farm Springboktrek (No. 226).

2.4 DIAMOND DRILLING

Phase 2 of the dimaond drilling programme was conducted between 27 May 2023 to 28 June 2023. Diamond drilling was performed by Mitchell Drilling Namibia (Pty) Ltd using their Sandvik MDI1101 rig. A total of 491.5 m of core was drilled from 3 collars, in three areas of interest in EPL 7539, on farms Kuwinamab (No. 272/1) and farm Springboktrek (No. 226). The actual depth of the geological boreholes drilled ranged from 147.85 m to 185.3 m. The recovered core was logged and analysed, and then the recovered material was submitted to ALS Global for geochemical analysis. Drilling activities are ongoing until the drilling programme ends in September 2023 on the aforementioned farms. Rehabiltation is progressing as the campaign progresses.

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3 EXPLORATION EMP COMPLIANCE AUDIT

This section provides an overview of the compliance with EMP requirements as depicted in the approved EMP for all EPLs (Appendix A). No non-conformances were reported for the period under review.

Table 2 - Exploration EMP compliance audit

Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Access and site preparation	 Miscommunication with the farm owners, Disruption of farm operations (leaving gates open, loss of farming area, interference at water points) Potential conflict with farm owners and neighbours (suspicious movement, poaching, stock theft, field fires, etc.). 	 Ensure documented permission to enter farms is enforced, Farmers should have access to all farm areas at all times, Existing water points and feeding areas need to be left, unaffected, Use existing roads for access to avoid new tracks and cut lines, Compliance with all applicable laws and agreements. 	- Compliant	 Open communication and landowner liaison with farm owners/managers where activities have taken place during the reporting period. The drilling and exploration teams move together on existing tracks and stay away from farming activities.
	 Potential grievances and complaints, 	 Develop and implement an environmental and social operation manual or procedures to work on private 	– Compliant	 Open communication and landowner



				Copper Company (Pty) Ltd
Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
	 Social discomfort 	farms and implement monitoring programmes		liaison with farm
	and anxiety	thereafter,		owners/managers
		- Maintain continuous communication with interested		where activities
		and affected parties (I&APs) to identify concerns and		have taken place
		mitigation measures,		during the
		- Compliance with all applicable laws and agreements,		reporting period.
		- Train personnel and raise awareness to sensitize		– Consent
		them about contentious issues such as stock theft		agreements
		and poaching,		signed with farm
		- Ensure appropriate supervision of all activities daily,		owners before
		 Accidents and incidents need to be reported to 		exploration
		exploration manager and recorded in the incident		activities can
		register.		proceed.
				 Daily supervision
				on site by
				geologists.



	PLIANCE CONSULIANCY			Copper Company (Pty) Ltd
Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Activity General exploration activities	- Residing and nesting organisms can be disturbed, injured or killed by movement of vehicles and equipment	 Restrict movements to areas of activities only, Use existing tracks and routes as far as practically possible, Identify rare, endangered, threatened and protected species in advance such as the white or black rhino, Route new tracks around sensitive areas inhabited by protected species (i.e., pangolins, etc.), Restrict movements to daytime hours, Sensitize personnel by training and creating awareness amongst them and notify them to avoid some areas, No driving off designated access routes (into the bush) or any off-road, No animals or birds may be collected, caught, consumed or removed from site. 	- Compliant	 The drilling and exploration teams move together on existing tracks and stay away from farming activities, where possible. All field staff are always under supervision and have been informed of what areas to avoid on the respective farms.
	- Residing and nesting organisms can be disturbed as a result of ambient noise from operations and movements of	 Restrict excessive noise to areas of activities only, Restrict excessive noise to daytime hours (7 am to 5 pm weekdays and 7 am until 1 pm on Saturdays), No activities are allowed between dusk and dawn, Drill equipment shall be suitably positioned to ensure that noisy equipment is away from receptors, 	- Compliant	- Open communication and landowner liaison with farm owners/managers where activities have taken place



				Copper Company (Fty) Eta
Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
	vehicles and equipment - Conflict with	 Residents shall be provided at least two weeks' notice of drilling operations within 1 km of their property, All equipment to be shut down or throttled back 		during the reporting period. - Exploration
	farmers and neighbours about rising of ambient noise levels	 between periods of use, Adhere to civil aviation regulations about the use of a drone, if necessary. 		activities restricted to daytime (08:00 – 17:00).
	– Visual disturbances	 Position drill equipment and other heavy equipment in such a way that it is out of sight from human receptors; Barriers or fences shall be used if drilling occurs in locations that may affect residents or livestock Maintain good housekeeping standards on site, Maintain continuous communication with I&APs to identify concerns and mitigation measures. 	- Compliant	 No non-conformances reported. The Proponent to ensure compliance with the requirements of the EMP.
	- Dust and emissions	 All vehicles and machinery or equipment to be shut down or throttled back between periods of use, Use existing access roads and tracks where possible, Apply dust suppression where possible, Restrict the speed of vehicles (<30 km/h), Specific activities that may generate dust and impact on residents shall be avoided during high wind events, 	- Compliant	 No non- conformances reported. The Proponent to ensure compliance with the requirements of the EMP.



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Activity		 Residents need to be informed at least two weeks in advance that drilling operations are within 1km of their property, Vehicles and machinery are to be regularly serviced according to the manufacturers' specifications and kept in good working order so as to minimise exhaust emissions. 		
	 Loss of soil quality due to mixing of earth matter, trampling, compaction, and pollution, Enhanced soil erosion 	 Where possible, plan access routes, drill pads and camps outside of existing drainage lines, Where necessary, install diversions to curb possible erosion, Restore drainage lines when disturbed, Topsoil should be stockpiled separately, and re-spread during rehabilitation, Limit the possibility of compaction and creating of a hard subsurface, Limit the possibility of trampling, During drilling oil absorbent matting should be placed under and around the rig, Equipment must be in a good condition to ensure that accidental oil spills do not occur and contaminate soil, In the event of spills and leaks, polluted soils must be collected and disposed of at an approved site, Limit the possibility of mixing mineral waste with topsoil. 	- Compliant	 No non-conformances reported. Mitigation measures employed during drilling to prevent unnecessary disturbance. Rehabilitation is ongoing for all drilling programmes. Site rehabilitation includes levelling of any soil disturbed by the rig or support vehicles/equipment



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Activity	- Groundwater contamination	 Ensure drill pads and spill kits are in place on site, Consider alternative sites when the water table is too high, Wastewater shall be contained, Where possible, water from existing water sources shall be used. 	- Compliant	and redistribution of all vegetation that has been removed. - Air core drilling is a dry process and thus no wastewater is generated by this drilling method. - No non- conformances reported for the diamond drilling programme. - The Proponent to ensure compliance with the
Airborne EM survey (AEM) over the EPL,	 Perceived impact from low-flying EM survey activities on livestock and 	 Prior to conducting aerial surveys, both directly and indirectly affected parties should be informed in writing at least 2 weeks prior, The following information is to be included in the 	– Compliant	requirements of the EMP. - Engagements took place as required and daily notifications are
	humans.	written communication sent to the interested and		sent to farm



Kuiseb Copper Company (Pty) Lt				
Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
possible low flying, indication of line spacing		 affected parties. This can be in the form of a Press Notice; Company name, Survey dates, time and duration, Purpose of the survey, Flight altitude, Survey location, map of survey area and flight lines, and Contact details for enquiries. 		owners during the survey activities. - No issues reported.
Vegetation clearance for access routes, drill pads and temporary contractor camps	 Loss of plant species Loss of habitat Create landscape scars Enhance erosion Loss of sense of place 	 Use existing roads for access to avoid new tracks and cut lines, Minimise clearance areas through proper planning of the exploration activities, Route new tracks around established and protected trees, and clumps of vegetation, Identify rare, endangered, threatened and protected species, During toolbox talks and induction, highlight to workers that the removal of significant plants should be avoided, Where possible rescue and relocate plants of significance, Promote revegetation of cleared areas upon completion of exploration activities. 	- Compliant	 The drilling and exploration teams move together on existing tracks and stay away from farming activities, where possible. All field staff are always under supervision and have been informed of what areas to avoid on the respective farms.



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
				– Toolbox talk are
				conducted on a
				daily basis covering
				all operational,
				environmental and
				safety
				requirements for
				the Project.
				 Site rehabilitation
				includes levelling of
				any soil disturbed
				by the rig or
				support
				vehicles/equipment
				and redistribution
				of all vegetation
				that has been
				removed, to
				encourage re-
				vegetation.
	– Alien plants and	All project equipment arriving on site from an area	- Compliant	 Induction is
	weeds can	outside of the project or coming from an area of		conducted and
	accidentally be	known weed infestations (not present on the project		training/awareness
	introduced	site) should have an internal weed and seed		is raised, daily
		inspection completed prior to equipment being used,		toolbox talks with
				the teams.



Kuiseb Copper Company (Pty) L					
Activity	Potential impacts	Management/mitigation measures	Compliance	Comments	
		- Ensure contractors receive induction on spread of		 The Proponent to 	
		alien weed,		ensure compliance	
		- Ensure the potential introduction and spread of alien		with the	
		plants is prevented,		requirements of	
		- Ensure the correct removal of alien invasive		the EMP.	
		vegetation and prevent the establishment and spread			
		of alien invasive plants,			
		- Eradicate weeds and alien species as soon as they			
		appear,			
		- Make workers aware about alien species and weeds.			
Fuel handling	 Soil contamination 	Storage	- Compliant	- No non-	
and storage,	– Water	– Label chemicals appropriately,		conformances or	
maintenance	contamination	- Chemicals with different hazard symbols should not		incidents reported.	
on	– Enhance	be stored together - clear guidance on the		– The Proponent to	
equipment,	accidental veld	compatibility of different chemicals can be obtained		ensure compliance	
machinery	fires during high	from the material safety data sheets (MSDS) which		with the	
and vehicles	wind periods	should be readily available,		requirements of	
		- Store chemicals in a dedicated, enclosed, and secure		the EMP.	
Inadequate		facility with a roof and concrete floor. Chemical tanks			
control or		should be completely contained within secondary			
accidental		containment such as bunding,			
releases of		- Consider the feasibility of substituting hazardous			
hazardous		chemicals with less hazardous alternatives,			
substances					
on site					



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		 Storage and handling of fuels and chemicals shall be in compliance with relevant legislation and regulations, Fuels, lubricants, and chemicals are to be stored within appropriately sized, impermeable bunds or trays with a capacity not less than 110% of the total volume of products stored. 		
		 Fire risk No open fires are allowed to be lit by personnel, associated with the proponent anywhere on the EPL outside of dedicated campsites, The proponent to ensure that exploration campsites have proper cooking facilities available to use. Gas stoves are the preferred option, No cigarette butts are allowed to be discarded into the environment. These should be contained in appropriate domestic containment bins and disposed of at the local landfill site, No unauthorised movement beyond the exploration areas and campsites is allowed, Proper fire hazard identification signage to be placed in areas that store flammable material (e.g., hydrocarbons and gas bottles), 		



A -4::	Detential impacts	Managament/mitigation maggues		Copper Company (Pty) Ltd
Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		- Control and reduce the potential risk of fire by		
		segregating and safe storage of materials,		
		 Avoid potential sources of ignition by prohibiting 		
		smoking in and around facilities,		
		- Fire extinguishers should always be at designated		
		areas and should be inspected regularly.		
		Spills		
		- Spill kits with the following items as a minimum		
		should be made available on site:		
		Absorbent materials,		
		o Shovels,		
		Heavy-duty plastic bags,		
		o Protective clothing (e.g., gloves and overalls),		
		- Major servicing of equipment shall be undertaken		
		offsite or in appropriately equipped workshops,		
		 For small repairs and unavoidable and necessary 		
		maintenance activities all reasonable precautions to		
		avoid oil and fuel spills must be taken (i.e., spill trays,		
		impervious sheets),		
		 Provision of adequate and frequent training on spill 		
		management, spill response and refueling must be		
		provided to all onsite personnel,		
		 No refueling is to take place within 50 meters of 		
		groundwater boreholes, surface water or streams.		
		6. Garrawater porterioles, surface water of streams.		



Kuiseb Copper C				
Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
		Vehicles and machinery are to be regularly serviced		
		to minimise oil and fuel leaks,		
		- All major petroleum product spills (spill of more than		
		200 litres per spill) should be reported to the Ministry		
		of Mines and Energy (MME) on Form PP/11 titled		
		"Reporting of major petroleum product spill',		
		attached as Appendix B.		
		The following points therefore apply to all areas on		
		the site:		
		 Assess the situation for potential hazards, 		
		 Do not come into contact with the spilled substance 		
		until it has been characterised and necessary		
		personal protective equipment (PPE) is provided,		
		 Isolate the area as required. 		
		The following measures are to be implemented in		
		response to a spill:		
		 Spills are to be stopped at source as soon as possible 		
		(e.g. close valve or upright drum),		
		 Spilt material is to be contained to the smallest area 		
		possible using a combination of absorbent material,		
		earthen bunds or other containment methods,		
		 Spilt material is to be recovered as soon as possible 		
		using appropriate equipment. In most cases, it will be		
		asing appropriate equipment. In most cases, it will be		



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Activity	Potential impacts	necessary to excavate the underlying soils until clean soils are encountered, - All contaminated materials recovered subsequent to a spill, including soils, absorbent pads and sawdust, are to be disposed to appropriately licensed facilities, - A written incident report must be submitted to the	Compliance	Comments
		general manager.		
Generation of waste	 Soil contamination Water contamination Nuisance (visual impacts, litter) Ecological risks 	 Good housekeeping standards applied on site, Training and raise awareness through toolbox talks and induction, Implement a standard operational procedure (SOP) on waste management, from all kinds of waste possible on-site (e.g. hydrocarbons, domestic, wastewater), Implement a culture of correct waste collection, waste segregation and waste disposal, complimentary to the waste hierarchy – avoid, re-use, recycle, Wastewater discharges will be contained – no disposal of wastewater directly into the environment is allowed. 	- Compliant	 Toolbox talks are provided by the drilling company foreman prior to the start of air core or diamond drilling activities. An SOP is in place. Solid waste is collected on site and disposed of at the Gobabis landfill site. The Proponent to ensure compliance with the requirements of the EMP.



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Activity Water use	- Soil contamination - Ground and surface water contamination - Nuisance (visual and odour)	 Minimise the operational consumption of water throughout the operations of the project, Visual monitoring and photographic record should be kept of any surface and / or groundwater intersected, Recycle wastewater, where possible, Install devices to prevent spills and overfills, e.g. shutoff devices for large volume tanks (e.g. > than 2000 L), Install an impermeable hardstand in areas of high-risk contamination to prevent ground infiltration by 		Comments - No non- conformances reported. - No non- conformances reported. - The Proponent to ensure compliance with the requirements of the EMP.
Heritage	- Disruption of heritage sites	 pollutants, Segregation of wastewater (domestic and industrial effluent), During operations, monitoring of wastewater discharges (specific to a wastewater discharge permit conditions) should be conducted on a regular basis (quarterly). In case of discovering or unearthing heritage sites, particularly palaeontological or archaeological finds, the following measures (chance find procedure) shall be applied: 	– Compliant	No non-conformancesobserved.Chance findprocedure



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
Activity	Potential impacts	 Work to cease, area to be demarcated with appropriate tape by the site supervisor, and the site manager to be informed, The site manager to visit the site and determine whether work can proceed without damage to findings, mark exclusions boundary and inform the environment and social manager with the GPS position if possible, If works cannot proceed without damage to findings, the site manager to inform the environmental manager who will get in touch with an archaeologist who will provide advice, Exploration manager or archaeological specialist to evaluate the significance of the remains and identify appropriate action, for example, record and remove; relocate or leave in situ (depending on the nature and value of the remains) Inform the police if the remains are human, and 		11 1 3 1 32
Job creation,	- Beneficial socio-	 Obtain appropriate clearance or approval from the competent authority, if required, and recover and remove the remains to the national museum or national forensic laboratory as directed. Maximise local employment and local business 	– Compliant	– Evidence of local
skills development	economic impacts	opportunities,		employment and



Activity	Potential impacts	Management/mitigation measures	Compliance	Comments
and business	on a local and	– Enhance the use of local labour and local skills as far		local business
opportunities	regional scale	as reasonably possible,		opportunities.
		 Ensure that goods and services are sourced from the 		
		local and regional economy as far as reasonably		
		possible.		







4 CONCLUSION

No environmental non-conformances or complaints were recorded during the period under review.

Landowner liaison took place with landowners before all exploration activities could be conducted and CA's were signed.

Fieldwork involved utilising existing access tracks and walking where driving was not possible. Sampling techniques during the soil sampling were non-invasive and therefore no rehabilitation was required to be conducted. Soil sampling was conducted on EPLs 7730, 7731, 7732, 7538, 7539, 7542, 7528, 7529 and 7543. Air core drilling involved the use of a drill rig mounted on the back of a vehicle, whereby samples were removed with a drill bit and no chemicals were used. Air core drilling was conducted on EPL 7539. Diamond drilling involved the use of a diamond drill rig to remove the core, with support vehicles and equipment. Wastewater is produced from the rig during the process and contained externally accordingly in containers or shallow trenches/pits. Diamond drilling was conducted on EPL 7539. The drilling activities will continue into the next reporting period, with the campaigns concluding in September 2023. The majority of exploration work was conducted in the Khomas Region during the reporting period.

Prior to drilling, planned drill sample locations and pathways are cleared of vegetation to allow access for the vehicles, drill rig and support equipment. The locations of drill sites are planned along existing private roads within farm boundaries, to minimise the quantity of clearing required. The clearing team was allowed tolerance to amend the assigned location to minimise the impact on the environment or local infrastructure. Areas were cleared in a 10 m radius for air core drilling, and a 20 m radius for diamond core drilling.

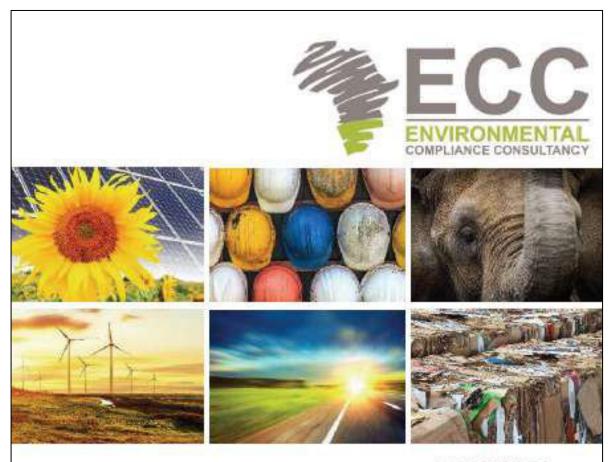
Rehabilitation is conducted as field activities progress. Site rehabilitation includes levelling of any soil disturbed by the rig or support vehicles/equipment and redistribution of all vegetation that had been removed, to limit soil erosion and to encourage new vegetation growth.

No environmental non-conformances or complaints were recorded during the period under review.

No work was conducted on the following EPLs during the reporting period: EPL 7530, 7531, 7532, 7533, 7534, 7535, 7536, 7537, 7540 and 7541.



APPENDIX A – EXPLORATION ENVIRONMENTAL MANAGEMENT PLAN FOR ALL EPLS



ECC-113-309-REP-65-A

ENVIRONMENTAL MANAGEMENT PLAN

EXPLORATION ACTIVITIES FOR BASE AND RARE METALS, PRECIOUS METALS, KHOMAS AND OMAHEKE REGIONS

PREPARED FOR KUISEB COPPER COMPANY (PTY) LTD

DECEMBER 2020

FO BOX 91783 Windhoek Nember Environmental Compliance Consultancy CC CC/7013/11404



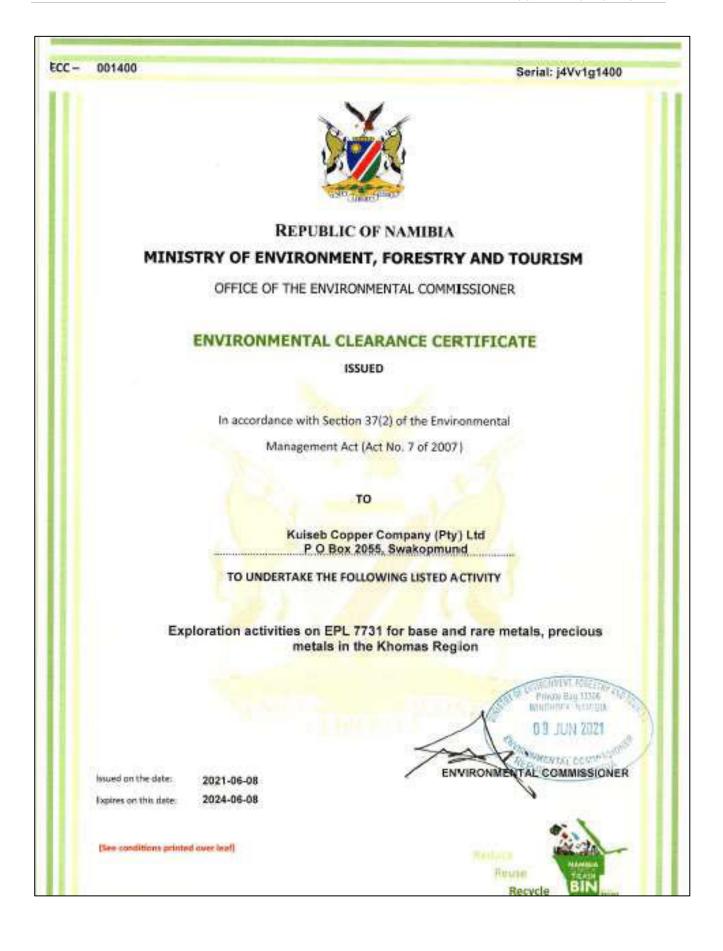
APPENDIX B - KCC EPLS ENVIRONMENTAL CLEARANCE CERTIFICATES (KHOMAS REGION)





Kuiseb Copper Company (Pty) Ltd









Kuiseb Copper Company (Pty) Ltd

ECC - 01420

Serial: ND6O291420



REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental

Management Act (Act No. 7 of 2007)

TO

Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Exploration activities on EPL 7732 for base and rare metals, precious metals, Khomas Region.

Issued on the date:

2021-06-14

Expires on this date:

2024-06-14

(See conditions printed over leaf)

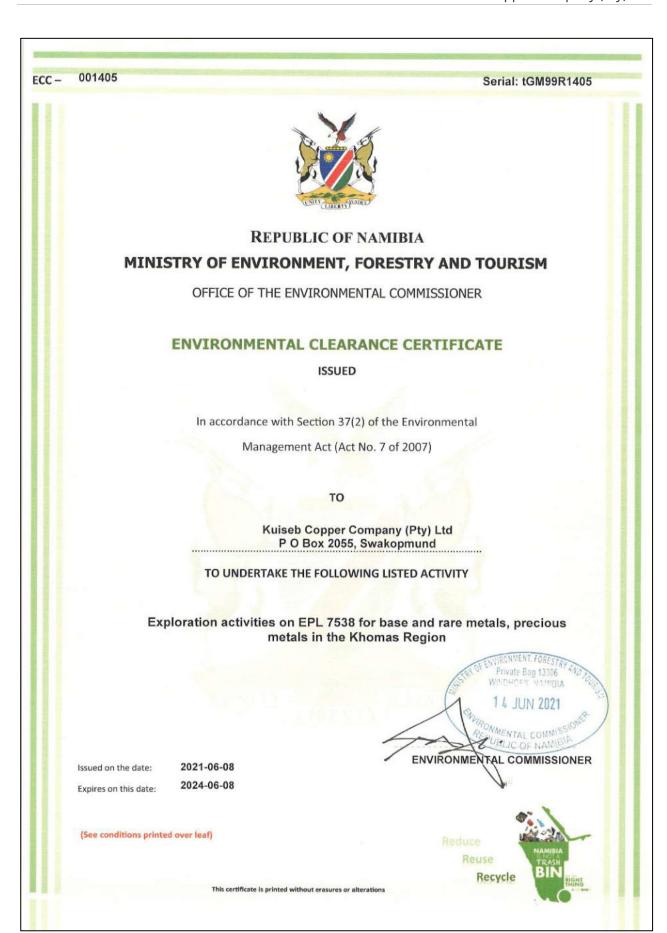
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Reduce
Reuse
Recycle
Recycle

ENVIRONMENTAL COMMISSIONER

Private Bag 13306











REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental

Management Act (Act No. 7 of 2007)

TO

Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Exploration activities on EPL 7539 for base and rare metals, precious metals in the Khomas Region

Issued on the date:

2021-06-08

Expires on this date:

2024-06-08

(See conditions printed over leaf)

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APPENDIX C – KCC EPLS ENVIRONMENTAL CLEARANCE CERTIFICATES (OMAHEKE REGION)









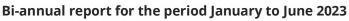








ECC -001402 Serial: cMbgQk1402 REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM OFFICE OF THE ENVIRONMENTAL COMMISSIONER **ENVIRONMENTAL CLEARANCE CERTIFICATE** ISSUED In accordance with Section 37(2) of the Environmental Management Act (Act No. 7 of 2007) Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY Exploration activities on EPL 7530 for base and rare metals, precious metals in the Omaheke Region Private Bag 13330 Westerson washing 0.9 JUN 2021 ENVIRONMENTAL COMMISSIONER issued on the date: 2021-06-08 2024-06-08 Expires on this date: (See conditions printed over leaf) Heuse









ECC - 01223

Serial: G2ifZO1223



REPUBLIC OF NAMIBIA MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental

Management Act (Act No. 7 of 2007)

TO

Kuiseb Copper Company (Pty) Ltd P O Box 2055, Swakopmund

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Exploration activities on EPL 7532 for base and rare metals, precious metals, Omaheke Region.

Issued on the date:

2021-02-09

Expires on this date:

2024-02-09

(See conditions printed over leaf)

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Private Bag 13306

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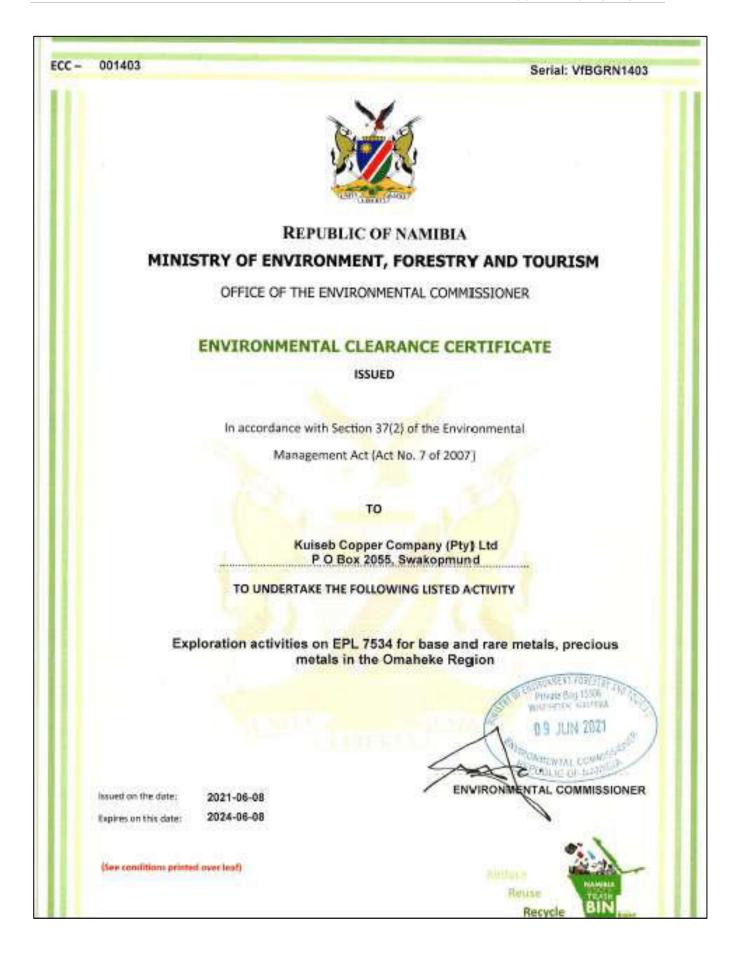
ENVIRONMENTAL COMMISSIONER

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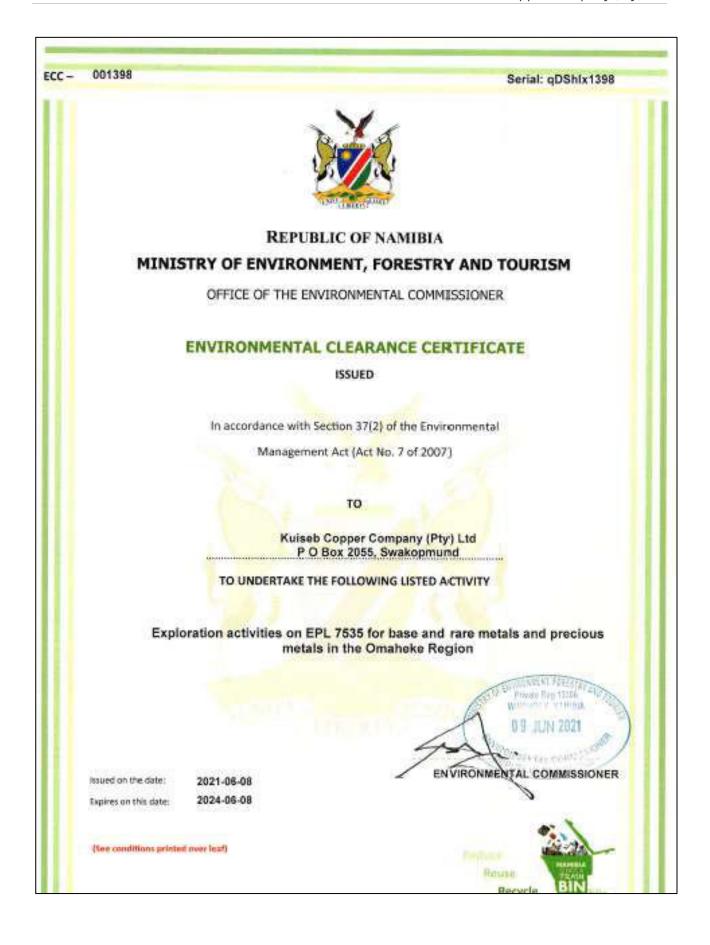






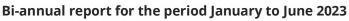












Kuiseb Copper Company (Pty) Ltd























APPENDIX D – KCC AIRBORNE ELECTROMAGNETIC (AEM) SURVEY ENVIRONMENTAL CLEARANCE CERTIFICATE





APPENDIX E – CONSENT AGREEMENT SIGNED WITH RESPECTIVE FARM OWNERS DURING THE REPORTING PERIOD

Farm name	Farm number	EPL number	Exploration activities
Aandster	182	EPL 7528	Soil sampling
Albano	264	EPL 7539	Soil sampling
Anias North	84	EPL 7731	Soil sampling
Anstatt	250	EPL 7539	Soil sampling
Bassingthwaighte	1028	EPL 7528	Soil sampling
Constance	230	EPL 7538	Soil sampling
Corsica	89	EPL 7731	Soil sampling
Den Haag Kuile	68	EPL 7539 EPL 7730	Soil sampling
Doreen	227	EPL 7538	Soil sampling
Ellof	194	EPL 7539 EPL 7730	Soil sampling
Faith	242	EPL 7543 EPL 7539	Soil sampling
Gravestein	65	EPL 7732	Soil sampling
Grunental	1031	EPL 7529	Soil sampling
Harzburg	166	EPL 7528 EPL 7529	Soil sampling
Held	84/00REM	EPL 7529	Soil sampling





Farm name	Farm number	EPL number	Exploration activities
Helder	380	EPL 7528	Soil sampling
Hexenkesset	887	EPL 7732	Soil sampling
Норе	243	EPL 7542 EPL 7543	Soil sampling
Hondeblaf	163/00REM	EPL 7528	Soil sampling
Klein Nauas	73/00REM	EPL 7539 EPL 7730	Soil sampling
Kous	66	EPL 7732	Soil sampling
Kowas	233/00REM	EPL 7539	Soil sampling
Kowas Neuhof	233/2	EPL 7538 EPL 7539	Soil sampling
Kuwinamab	272/1	EPL 7539	Soil sampling, air core and diamond drilling
Lauwater West	251	EPL 7539	Soil sampling
Lekkerwater	142	EPL 7732	Soil sampling
Mahagi	302	EPL 7528 EPL 7529	Soil sampling
Mimosa	72/1	EPL 7730	Soil sampling
Moedersrus	71	EPL 7730	Soil sampling
Nantes	71/1	EPL 7730	Soil sampling
Nautabis	268	EPL 7539	Soil sampling
Nonikam Omukaru	253/5	EPL 7542	Soil sampling





Farm name	Farm number	EPL number	Exploration activities
Nudom	161	EPL 7528	Soil sampling
Ombu Ondana	165	EPL 7528	Soil sampling
Otjimukandi	178	EPL 7528 EPL 7529	Soil sampling
Springboktrek	226	EPL 7539	Soil sampling, air core and diamond drilling
St Elmo	71	EPL 7730	Soil sampling
Vergelegen	162	EPL 7528	Soil sampling
Versailles	67	EPL 7730 EPL 7732	Soil sampling
Vorwazrts	305	EPL 7528 EPL 7529	Soil sampling

Environmental Compliance Consultancy (Pty) Ltd

PO Box 91103 Klein Windhoek Namibia info@eccenvironmental.com www.eccenvironmental.com +264 81 669 7608



ECC-113-482-LET-04-A APP-002197 24 October 2023

/

RECEIVED BY OFFICIAL STAMP

Signature:

Date:

The Directorate of Environmental Affairs

Ministry of Environment, Forestry and Tourism

Private Bag 13306

Windhoek

Namibia

THE ENVIRONMENTAL COMMISSIONER - MR TIMOTEUS MUFETI

COPY TO: DEPUTY DIRECTOR (DIVISION OF ENVIRONMENTAL ASSESSMENT,

WASTE MANAGEMENT AND POLLUTION CONTROL, AND INSPECTIONS)

- MS SAIMA ANGULA

RE – HERITAGE CONSENT FOR EPL 7528 ENVIRONMENTAL CLEARANCE CERTIFICATE RENEWAL FOR KUISEB COPPER COMPANY (PTY) LTD AND RIO TINTO MINING AND EXPLORATION LTD IN PARTNERSHIP, FOR BASE, RARE AND PRECIOUS METALS IN THE OMAHEKE REGION.

Dear Mr Mufeti.

FOR ATTENTION:

Kuiseb Copper Company (Pty) Ltd (KCC) and Rio Tinto Mining and Exploration Ltd (RT), through a formal KCC-RT Joint Venture agreement, permits KCC to fully operate the exploration program for exclusive prospecting licence (EPL) 7528, in the Omaheke region. Environmental Compliance Consulting (ECC) has been engaged by the Proponent to submit the environmental clearance certificate renewal for EPL 7528.

As per the requirements on the Ministry of Environment, Forestry and Tourism (MEFT) portal, heritage consent is required to be uploaded as part of this application process. A heritage consent is not required, as this environmental clearance certificate was approved by MEFT in line with the environmental assessment requirements when the original environmental clearance was issued on 22 February 2021 (ECC- 01243), after the submission of the scoping report (with impact assessment included) for EPL 7528 in December 2020.

A desktop review of the general EPL area did not reveal any site of interest with a heritage connotation to it. An assessment of the potential heritage impacts was conducted, and significance of impact determined to be minor with mitigation. A chance find procedure was recommended and included in the site environmental management plan (EMP) to be developed for field activities on EPL 7528.

Should you require our assistance with the details contained within this letter or application, please do not hesitate to contact us and we will gladly assist. We look forward to hearing from you at your earliest convenience.

Environmental Compliance Consultancy (Pty) Ltd

PO Box 91103 Klein Windhoek Namibia info@eccenvironmental.com www.eccenvironmental.com +264 81 669 7608



Yours sincerely,

Stephan Bezuidenhout

stephan@eccenvironmental.com

Jessica Bezuidenhout Mooney jessica@eccenvironmental.com