

# 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

Okorusu Fluorspar (Pty) Ltd P O Box 81307, Windhoek

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

PROPOSED EXPLORATION ACTIVITIES ON EXCLUSIVE PROSPECTING LICENSE (EPL) 5046, OTJOZONDJUPA REGION

Issued on the date:

2021-06-22

Expires on this date:

2024-06-22

(See conditions printed over leaf)



ENVIRONMENTAL COMMISSIONER

Private Bag 13306

#### 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 This environmental clearance is valid for a period of 3 (three) years, from the date of issue unless withdrawn by this office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
- All applicable and required permits are obtained and mitigation measures stipulated in the EMP are applied particularly with respect to management of ecological impacts.
- 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.
- 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.



## MINING LICENCE (ML) 90 & EPL 5046



Okorusu Mine village, tailings (15.02.2022

#### PERIOD:

JULY TO DECEMBER 2021

Submitted to:

The Executive Director/

Ministry of Environment, Forestry

2 4 FEB 2022

and Tourism

Private Bag 13306

Windhoek

Prepared by:

Geokey on behalf of

Okorusu Fluorspar

P.O. Box 1236

### Table of Contents

1	SUI	MMARY	3
2	CO	NTACT DETAILS	3
3	PRO	OGRESS REPORT ON CURRENT ACTIVITIES	3
	3.1	Metallurgical Research and Development	3
	3.2	Construction Materials, Industrial Minerals and Exploration	3
	3.3 Plan (	Environmental Impact Assessment (EIA) Report & Environmental Management (EMP)	
	3.4	Monitoring & Auditing	5
	3.5	Maintenance	5
	3.6	Baseline Studies	6
	3.7	Mining	6
	3.8	Processing Activities	6
	3.9	New Graphite Tailings Storage Facility	6
	3.10	Infrastructure Development	7
4	EN	VIRONMENTAL PROGRAMMES	7
	4.1	Stakeholder Consultation / Communication Management Programme	7
	4.2	Safety & Security Management Programme	8
	4.3	Surface Water Management Programme	8
	4.4	Groundwater Management Programme	9
	4.5	Air Quality Management Programme.	9
	4.6	Noise & Vibration Management Programme	9
	4.7	Biodiversity Management Programme	10
	4.8	Visual Management Programme	10
	4.9	Archaeology Management Programme	10
	4.10	Traffic Management Programme	10
	4.11	Social & Economic Management Programme	10
	4.12	Resource Management Programme	11
	4.13	Soil Management Programme	11
	4 14	Waste Management Programme	12

### Table of Figures

Figure 1. Images the aggregate and magnetite sources and stockpiling
Figure 3. Division of areas for dedicated use by the JV (referred to here as Gecko Graphite), Okorusu, and shared infrastructure
Figure 4. Images of surface water containment and diversion.

## BI-ANNUAL ENVIRONMENTAL REPORT FOR OKORUSU FLUORSPAR (PTY) LTD: ACTIVITIES ON MINING LICENCE (ML) 90 & EPL 5046

#### SUMMARY

This report covers the environmental aspects of the activities pertaining to the operations of Okorusu Fluorspar (Pty) Ltd on ML 90 and EPL 5046 for the period July to December 2021.

#### 2. CONTACT DETAILS

Table 1. Details of ML / EPL holder

ML 90 and EPL 5046	Licence Holder Details
Name of Holder	Okorusu Fluorspar (Pty) Ltd.
Chief Operations Officer	Mr Michael Gibson
Contact Details	Tel: 067 - 305 404 Fax: 067 - 305 403 E-mail Address: mike.gibson@genet.co.za
Postal / Registered Address	Okorusu Fluorspar (Pty) Ltd, P.O. Box 1236, Otjiwarongo

#### 3. PROGRESS REPORT ON CURRENT ACTIVITIES

#### 3.1 Metallurgical Research and Development

Metallurgical Research & Development (R & D) continues as follows:

#### Otjitanga Rare Earth Element Project:

A pilot plant for testing the processes for concentrating bastnaesite rare earths mineralisation from Gecko Namibia's Otjitanga project has been established during 2020. The plant comprises crushing, screening and a magnetic separation. Only limited test work on the material has been conducted to date. No test work was done during this reporting period.

#### 3.2 Construction Materials, Industrial Minerals and Exploration

#### Magnetite:

No magnetite exploration work was carried out during the 2<sup>nd</sup> semester of 2021. No magnetite was extracted or processed during this period. Magnetite stocks remain as per figures reported in the end of 2019. Please refer to Figure 1 below.

#### Aggregates:

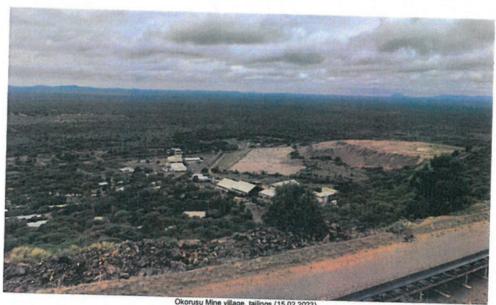
Okorusu has repaired and re-commissioned the static crushing plant on top of the mountain. Fenite waste rock from the rock dumps is used for crushing and screening to produce aggregate material. (See Figure 1 below). During the reporting period no production of aggregate has taken place.

#### Fluorspar:

The exploration, mining and processing of fluorspar (including metspar) has still not resumed at the site.



MINING LICENCE (ML) 90 & EPL 5046



Okorusu Mine village, tailings (15.02.2022)

#### PERIOD:

JANUARY TO JUNE 2022

Submitted to:

The Environmental Commissioner

Ministry of Environment, Forestry and Tourism

Private Bag 13306

Windhoek

Prepared by:

Geokey on behalf of

Okorusu Fluorspar

P.O. Box 1236

Otjiwarongo

MINISTRY OF ENVIRONMENT. FORESTRY AND TOURISM

DIRECTORATE OF ENVIRONMENTAL AFFAIRS

0 3 AUG 2022

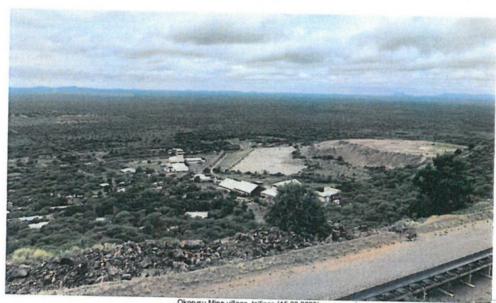
Tel: 061 284 2701

RECEIVED 2

Signature:....



MINING LICENCE (ML) 90 & EPL 5046



Okorusu Mine village, tailings (15.02.2022

#### PERIOD:

JULY TO DECEMBER 2022

3 1 JAN 2023

Signature:....

Submitted to:

The Environmental Commissioner

Ministry of Environment, Forestry and Tourism

Private Bag 13306

Windhoek

Prepared by:

Geokey on behalf of

Okorusu Fluorspar

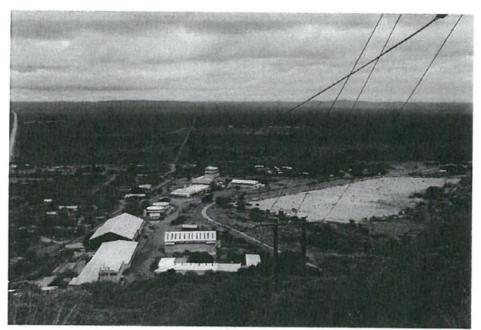
P.O. Box 1236

### **TABLE OF CONTENTS**

1		SUI	MMARY	.3
2	. (	CO	NTACT DETAILS	.3
3	. F	PRO	OGRESS REPORT ON CURRENT ACTIVITIES	.3
	3.1	1	Metallurgical Research and Development	.3
	3.2	2	Construction Materials, Industrial Minerals and Exploration	.4
	3.3 Pla	enn ,	Environmental Impact Assessment (EIA) Report & Environmental Management (EMP)	.6
	3.4	ļ	Monitoring & Auditing	.6
	3.5	5	Maintenance	.6
	3.6	6	Baseline Studies	.7
	3.7	,	Mining	.7
	3.8	3	Processing Activities	.7
	3.9	)	New Graphite Tailings Storage Facility	.7
	3.1	0	Infrastructure Development	9
4.	E	EN۷	/IRONMENTAL PROGRAMMES	9
	4.1		Stakeholder Consultation / Communication Management Programme	9
	4.2		Safety & Security Management Programme1	0
	4.3		Surface Water Management Programme1	0
	4.4		Groundwater Management Programme	1
	4.5		Air Quality Management Programme1	1
	4.6		Noise & Vibration Management Programme1	2
	4.7		Biodiversity Management Programme1	2
	4.8		Visual Management Programme1	2
	4.9		Archaeology Management Programme1	3
	4.1	0	Traffic Management Programme1	3
	4.1	1	Social & Economic Management Programme1	3
	4.1	2	Resource Management Programme1	3
	4.13	3	Soil Management Programme1	
	4.1	4	Waste Management Programme	4



### MINING LICENCE (ML) 90 & EPL 5046



Okorusu Mine

#### PERIOD:

**JANUARY TO JUNE 2023** 

Submitted to:

The Environmental Commissioner

Ministry of Environment, Forestry and Tourism

Private Bag 13306

Windhoek

Prepared by:

Geokey on behalf of

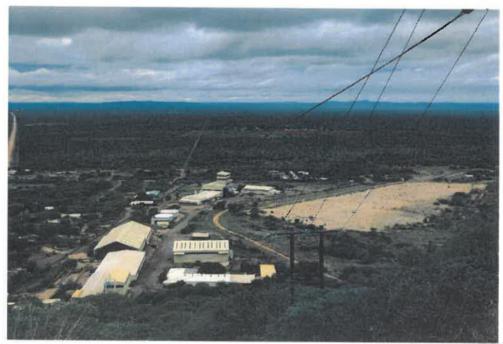
Okorusu Fluorspar

P.O. Box 1236





## MINING LICENCE (ML) 90 & EPL 5046



Okorusu Mine

#### **PERIOD:**

**JULY TO DECEMBER 2023** 

MINISTRA CONTRACTOR AND THE PROPERTY AND
DIRECTORATE OF ENVIADAMENTAL AFFAIRS
1 2 MAR 2024
Tel: 061 284 2701 RECEIVED 2
Signature:

Submitted to:

The Environmental Commissioner

Ministry of Environment, Forestry and Tourism

Private Bag 13306

Windhoek

Prepared by:

Geokey on behalf of

Okorusu Fluorspar

P.O. Box 1236

### **TABLE OF CONTENTS**

1		SUM	MARY3
2		CON	TACT DETAILS3
3		PRO	GRESS REPORT ON CURRENT ACTIVITIES4
	3.	1	Metallurgical Research and Development4
	3.	2	Construction Materials, Industrial Minerals and Exploration4
	3. Pl		Environmental Impact Assessment (EIA) Report & Environmental Management
	3.	4	Monitoring & Auditing6
	3.	5	Maintenance6
	3.	6	Baseline Studies
	3.	7	Processing Activities
	3.	8	Graphite Tailings Storage Facility
	3.	9	Infrastructure Developmentg
4		ENV	IRONMENTAL PROGRAMMES10
	4.	1	Stakeholder Consultation / Communication Management Programme10
	4.:	2	Safety & Security Management Programme10
	4.	3	Surface Water Management Programme10
	4.	4	Groundwater Management Programme11
	4.	5	Air Quality Management Programme11
	4.0	6	Noise & Vibration Management Programme11
	4.	7	Biodiversity Management Programme
	4.8	8	Visual Management Programme12
	4.9	9	Archaeology Management Programme12
	4.	10	Traffic Management Programme12
	4.	11	Social & Economic Management Programme13
	4.	12	Resource Management Programme13
	4.	13	Soil Management Programme14
	4.	14	Waste Management Programme