



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

Private Bag X 14, Springbok, 8240, Tel: 027 712 8160, Fax: 086 590 9711
Hopley Building, Van der Stel Street, Springbok, 8240

Enquiries: Ms D. A. Karsten **Ref:** NCS30/5/1/1/3/2/1 (12043) EM
E-Mail Address: Deidre.Karsten@dmr.gov.za
Sub-Directorate: Mine Environmental Management

REGISTERED MAIL

The Manager
De Beers Consolidated Mines (Pty) Ltd
Cnr Crownwood Road and Diamond Drive
Theta Ext 4
Johannesburg
2013

Attention: Ms Lesley Roos

email: Lesley.roos@debeersgroup.com

APPLICATION TO AMEND THE EXISTING ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (ACT 107 OF 1998) AS AMENDED (NEMA) AND THE ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REGULATIONS, 2014 WHICH WAS ISSUE FOR A PROSPECTING RIGHT APPLICATION ON SEA CONCESSION 4 C WITHIN THE MAGISTERIAL DISTRICT OF NAMAQUALAND: NORTHERN CAPE REGION.

With reference to the abovementioned application, please be advised that the Department has decided to **grant** certain sections of the approved environmental authorisation in terms of Section 24 L of the National Environmental Management Act (Act 107 of 1998). The environmental authorisation and reasons for the decision are attached herewith.

Should you wish to appeal any aspect of the decision, you must submit the appeal to the Minister of Environmental Affairs and a copy of such appeal to the Department of Mineral Resources (Northern Cape Regional Office), within 20 days from the date of notification, and such appeal must be lodged as prescribed in by Chapter 2 of the National Appeal Regulations of 2014, by means of the methods as per prescribed below:

NCS 30/5/1/1/3/2/1(12043) PR De Beers Consolidated Mines (Pty) Ltd
Amendment to approved EMP.

Appeal to the Department of Environmental Affairs

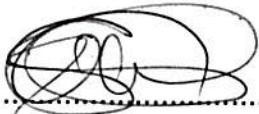
Attention : Directorate Appeals and Legal Review
Email : appealsdirector@environment.gov.za
By post : Private Bag X 447, **PRETORIA**, 0001
By hand : Environmental House, Corner Steve Biko and Soutpansberg Street, Arcadia,
Pretoria,
0083

Copy of the lodged appeal to the Department of Mineral Resources

Attention : Regional Manager: Northern Cape Region
By facsimile : (053) 807 1700
E-mail : Ndlelenhle.Zindela@dmr.gov.za
By post : Private Bag X 6093, **KIMBERLEY**, 8300
By hand : Perm Building, 65 Phakamile Mabija Street, **Kimberley**, 8300

Should you decide to appeal, you must comply with the National Appeal Regulation of 2014 in relation to notification of all registered interested and affected, and a copy of the official appeal form can be obtained from the Department of Environmental Affairs.

Kind Regards



.....
CHIEF DIRECTOR: MINERAL REGULATION
WESTERN REGIONS
DATE: 11/2/2020

Central



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

Private Bag X 14, Springbok, 8240, Hopley Building, Van der Stel Street, Springbok, 8240

ENVIRONMENTAL AUTHORISATION

Reference number:	NCS30/5/1/1/3/2/1 (12043) EM
Last amended:	1 st amendment
Holder of authorisation:	De Beers Consolidated Mines (Pty) Ltd
Location of activities:	Sea Concession 4c

DECISION

ACRONYMS

DWS:	Department of Water and Sanitation
DMR:	Department of Mineral Resources
DENC:	Department of Environment and Nature Conservation
EA:	Environmental Authorisation
EIA REGULATIONS:	EIA Regulations, 2014
EIA:	Environmental Impact Assessment
NEMA:	The National Environmental Management Act, 1998 (Act 107 of 1998)

Details regarding the basis on which the Department reached the decision of this environmental authorization amendment application are set out below

1. DETAILS OF THE AMENDMENTS REQUESTED FOR:

Text as it appears in Environmental Authorization

The approved EMPr makes provision for the undertaking geophysical surveys using:

- " a multibeam echosounder designed to produce high resolution digital terrain models of the seafloor by transmitting a 30 kHz sounding in a wide swatch below the vessel; and
- A parametric sub-bottom profiler, which uses shallow (35 to 45 kHz) and medium penetration (1 to 10 kHz) "Chirp" seismic pulses to generate profile up to 60m beneath the seafloor thereby giving a cross section view of the sediment layers"

The new text to appear as amendment to the EMPr:

The proposed survey tools may include the following:

- Swath bathymetry
- Sub- bottom profiler seismic systems
- Side Scan sonar systems
- Magnetometer
- Multibeam Echo sounder


2. REASONS FOR THE APPLICATION FOR AMENDMENT BY DE BEERS CONSOLIDATED MINES (PTY) LTD

In the approved EMPr it was stated that the above-mentioned system were fully mounted onto the dedicated survey vessel, the DP STAR, and that no towel equipment would be used. The estimated sound levels from the above-mentioned acoustic equipment were stipulated as ranging from 190 to 220 dB re 1µPa at 1 .m.

De Beers Mines (Pty) Ltd now propose to amend the approved EMPr to make provision for undertaking geophysical surveys using alternative survey tools. The amendment also includes a change to the proposed vessel to a vessel of opportunity and the use of the towel equipment and Autonomous Underwater Vehicles (AUV)/ Autonomous Surface Vehicles (ASV

Your interest in the future of our environment is appreciated.

Kind Regards



CHIEF DIRECTOR: MINERAL REGULATION

WESTERN REGIONS

DATE..... 11/09/2020

NCS 30/5/1/1/3/2/1(12043) PR De Beers Consolidated Mines (Pty) Ltd
Amendment to approved EMP.



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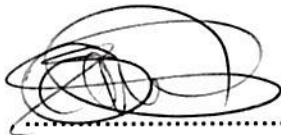
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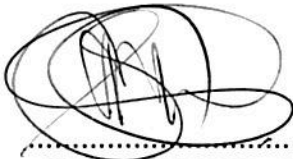
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