



DEDET-MP Reference Number: 17/2/3N-414
DMR Reference Number: MP30/5/1/2/2/10104MR

BACKGROUND INFORMATION DOCUMENT

4 February 2015

South African Heritage Resource Agency
P O Box 4637
Cape Town
8000

Tel: 021 462 4502
Fax: 021 462 4509

Attention: Heritage Officer

Dear Sir / Madam

RE: NOTICE OF APPLICATIONS IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (ACT 107 OF 1998 NEMA) AND THE ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS OF 2010 AS WELL AS SECTION 22 OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (ACT NO 28 OF 2002)

Inzalo (Pty) Ltd has applied for environmental authorization to mine 19.8 ha of a portion of Portion 30 of the farm Doornrug 302 JS, Balmoral District, Mpumalanga Province. (Reference No: 17/2/3N-414)

SITE DESCRIPTION

Portion 30 of the farm Doornrug 302 is situated approximately 8 km east of Balmoral and 16 km west of eMalahleni along the N4. The area earmarked for the proposed mining falls on a section of the farm previously used for mining purposes. The GPS coordinates of the proposed mining is as follows:

- A. 25° 52' 40.07"S 29° 02' 51.09"E
- B. 25° 52' 15.69"S 29° 03' 10.76"E
- C. 25° 52' 27.63"S 29° 03' 10.58"E
- D. 25° 52' 28.63"S 29° 02' 52.18"E

LEGAL COMPLIANCE

The proposed project triggers the following listed activities in terms of NEMA and therefore requires environmental authorisation:

Government Notice (GN) No. 544 Listing No. 1 Activities 23:

The transformation of undeveloped, vacant or derelict land to commercial use outside an urban area and where the total area to be transformed is bigger than 1 hectare but less than 20 hectares.

the goal isn't to live forever, it is to protect a planet that will



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Government Notice (GN) No. 546 Listing No. 3 Activities 14:

The clearance of an area of 5 hectares or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation. In Mpumalanga all areas outside urban areas.

List of other legislation triggered by the proposed project:

Application for a Mining Right in terms of Section 22 of the Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002) was submitted to the Department of Mineral Resources and MP 30/5/1/2/2/10104 MR was assigned as reference number to the project.

An application for Water Authorization in terms of the National Water Act, 1998 (Act 36 of 1998) will be submitted to the Department of Water and Sanitation.

PROJECT DESCRIPTION

The mining procedure will entail the expansion of the existing quarry through open cast mining methods. The applicant will:

- drill and blast the hard rock after the topsoil of the area has been stripped and stockpiled,
- load and haul the material out of the excavation to the crushing and screening plants,
- crush and screen the recovered material at the crusher plant in order to reduce it to various size aggregate,
- stockpile the aggregate at a stockpile area until it is collected by clients.

The proposed activity will not require any beneficiation or processing of the dolerite prior to it being sold. A site office, workshop and service area, weigh bridge and ablution facilities will be established at the site. A generator will be used to power the infrastructure on site until an Eskom connection can be secured. Process water will be obtained from the existing quarry pit. The water will mainly be used for dust suppression purposes on the crusher plant, roads and mining area. Potable water will daily be transported to site. The solid waste produced during the operational phase of the project will be transported from site to the eMalahleni landfill site. Approximately thirty-eight workers will be employed at the site.

The mining activities will consist of the following:

- Stripping and stockpiling of topsoil,
- Blasting,
- Excavating,
- Crushing,
- Stockpiling and transporting,



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- Sloping and landscaping,
- Replacing the topsoil and vegetating the disturbed area.

The mining site will contain the following:

- Drilling Equipment
- Excavating Equipment
- Earth Moving Equipment
- Crushing and Screening infrastructure
- Site Office
- Site vehicles
- Parking area for visitors and site vehicles
- Vehicle service area with wash bay
- Site Storage Area
- Bunded diesel and oil storage facilities
- Generator on bunded area
- Ablution Facilities
- Weigh Bridge
- Demarcated general and hazardous waste area

Visual Exposure:

Extension of an existing quarry:

- This application is for the extension of an existing quarry. The mining area was identified to constitute the lowest possible visual impact on the surrounding environment.
- The surrounding area has previously been disturbed by mining activities, and this application entails the extension of the existing mining area with 19.8 ha.
- The mining activities will be visible from the road passing the site. Stockpiling will increase the visual impact in the area but will be localized by reducing the amount of stockpile heaps; having fewer heaps, between a height of 5 - 10 m, rather than several low heaps.
- The applicant will however ensure that housekeeping is managed to standard, as this will mitigate the visual impacts during the operational phase of the mine.
- Upon closure the site will be rehabilitated and sloped to ensure that the visual impact on the aesthetic value of the area is kept to a minimum.



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Dust Generation:

- Speed on the access road will be limited to 40 km/h to prevent the generation of excess dust.
- Roads will be sprayed with water or an environmentally friendly dust-allaying agent that contains no PCB's (e.g. DAS products) if dust is generated above acceptable limits.
- The crusher will also be fitted with sprayers to control dust generation from the conveyor belts.

Noise:

- The noise generated by the mining machinery will be similar to noise generated along the road bordering the site.
- It will be ensured that employees and staff conduct themselves in an acceptable manner whilst on site.
- All mining vehicles will be equipped with silencers and maintained in a road worthy condition in terms of the Road Transport Act.
- The type, duration and timing of the blasting procedures will be planned with due cognisance of other land users and structures in the vicinity. Surrounding land owners will be notified in writing prior to blasting occasions.

Access Route:

- The existing access road of the farm will be used to gain access to the mining area.

Surface and Ground water:

- The proposed mining area will be further than 100m from any natural water source.
- The proposed activities are not expected to have a negative impact on the surface or ground water of the area.

Ablution, Waste Water & Waste Disposal:

- Ablution facilities will consist of toilets connected to a septic tank to be serviced by a contractor.
- Any effluents containing oil, grease or other industrial substances will be collected in a suitable receptacle and removed from the site, either for resale or for appropriate disposal at a recognized facility.
- Spills would be cleaned up immediately to the satisfaction of the Regional Manager by removing the spillage together with the polluted soil and disposing it at a recognized facility.
- Non-biodegradable refuse such as glass bottles, plastic bags, metal scrap, etc., will be stored in a container at a collecting point and collected on a regular basis and disposed of at a recognized landfill site.
- Biodegradable refuse generated will be handled as indicated above.
- No waste will be burned on site.



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- Hazardous waste will be disposed at an authorized site by an authorised contractor and proof will be filed by the right holder.

Storm water:

- Storm water will be diverted around the stockpile areas and access roads to prevent erosion and loss of material.
- Mining will be conducted only in accordance with the Best Practice Guideline for small scale mining that relates to storm water management, erosion and sediment control and waste management, developed by the Department of Water Affairs (DWA), and any other conditions which that Department may impose.

Final rehabilitation:

- Final rehabilitation shall entail landscaping, levelling, top dressing, land preparation, seeding (if required), and weed / alien clearing.
- All infrastructures, equipment, and other items used during the mining period will be removed from the site (section 44 of the MPRDA).
- General waste material of any description will be removed from the mining area and disposed of at eMalaheni landfill facility. It will not be permitted to be buried or burned on the site.
- Weed / Alien clearing will be done in a sporadic manner during the life of the mining activities. Species regarded as Category 1 weeds according to CARA (Conservation of Agricultural Recourses Act, 1983 – Act 43; Regulations 15 & 16 (as amended in March 2001) need to be eradicated from the site on an ongoing basis.
- Final rehabilitation shall be completed within a period specified by the Regional Manager.

PUBLIC INVOLVEMENT

This document is to inform you about the proposed activity and to determine whether there are any concerns or objections from interested and affected parties (I&AP's) that need to be considered.

As interested and affected party you are kindly requested to complete the comments form and give any comment/concern or input with regard to the environment that you may have, on the proposed project. If we do not receive any comments from you within 40 days of receipt of this notice, it will be accepted that you do not have any objections/comments with regard to the project.

Please contact Christine Fouche at the contact details as presented in the letterhead or at christine.f@greenmined.co.za through any means should you need more information, have concerns or comments that need to be considered or if you want to be registered as an interested and/or affected party and would like to receive a copy of the Draft Basic Assessment Report (DBAR) on or before 16 March 2015.



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The DBAR will be submitted to the Department of Economic Development, Environment and Tourism – Mpumalanga (DEDET-MP) for review purposes. This report will also be made available to the public for a 40 days review period. An electronic copy of the report will be published on the Greenmined Environmental website (www.greenmined.com). All registered I&AP's and stakeholders will be notified of the commenting period in advance.

The DBAR will then be updated to reflect the comments received during the public commenting period. Upon which, the final basic assessment report (FBAR) will be submitted to the DEDET-MP for its consideration as part of the authorization process in terms of the NEMA regulation. A copy of the final report will be made available on the Greenmined Environmental website (www.greenmined.com).

CONTACT DETAILS:

Name/Name	
Organisation/Instansie	
Postal Address/Pos Adres	
Tel	
Fax/Faks	
E-mail/E-pos	

COMMENTS/ OPMERKINGS:

No Objection:	
Request additional information:	
Concerns:	

Signature: _____



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Are there any other organisations or individuals that you feel should be invited to comment? If so, please provide their contact details:

Contact name:
Organisation (if applicable):
Address:
Tel:
Fax
E-mail

Your feedback is valued and will be addressed appropriately.

Kind Regards

A handwritten signature in black ink, appearing to read 'Fouche', is written in a cursive style.

.....
Christine Fouche
Greenmined Environmental