



BACKGROUND INFORMATION DOCUMENT

Applicant:

Haw and Inglis Engineering (Pty) Ltd
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Durbanville
7551
Tel: 021 976 1110

To Whom It May Concern:

29 March 2019

RE: NOTICE OF APPLICATIONS IN TERMS OF SECTION 27 OF THE MINERALS AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (ACT NO 28 OF 2002) AND THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (ACT NO 107 OF 1998 NEMA) AS WELL AS THE ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS OF 2014 (AS AMENDED BY GNR 326 EFFECTIVE 7 APRIL 2017)

Haw and Inglis Civil Engineering intends to apply for a mining permit for the mining of aggregate, 5 ha on Portion 8 (Remaining Extent) of the farm Driefonteinen, Registration Division of Mossel Bay RD, Mossel Bay, Western Cape.

SITE DESCRIPTION

Portion 8 (Remaining Extent) of the farm Driefonteinen, Registration Division of Mossel Bay RD, Mossel Bay, Western Cape is situated approximately ± 22.47 km west of Mossel Bay. The area earmarked for the proposed mining falls on a section of the farm that was previously used as an existing quarry and the intention of this application is to increase the existing quarry. The GPS coordinates of the proposed mining area are as follow:

Site Coordinates – Decimal Degrees

- | | |
|----|-----------------------|
| A. | -34.180768, 21.894673 |
| B. | -34.182262, 21.894542 |
| C. | -34.182071, 21.891307 |
| D. | -34.180587, 21.891401 |

LEGAL COMPLIANCE

An application for a mining permit in terms of Section 27 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) [MPRDA] will be submitted to the Department of Mineral Resources (DMR).

The proposed project triggers the following listed activities in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) [NEMA] and the Environmental Impact Assessment (EIA) Regulations (as amended

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

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by GNR 326 effective 7 April 2017), and therefore requires a basic assessment process to obtain environmental authorisation:

■ GNR 327 Environmental Impact Assessment Regulations Listing Notice 1 of 2017 Activity 21:

Any activity including the operation of that activity which requires a mining permit in terms of section 27 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002), including —

- (a) associated infrastructure, structures and earthworks, directly related to the extraction of a mineral resource [,]; or [including activities for which an exemption has been issued in terms of section 106 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002)]*
- (b) the primary processing of a mineral resource including winning, extraction, classifying, concentrating, crushing, screening or washing; but excluding the secondary processing of a mineral resource, including the smelting, beneficiation, reduction, refining, calcining or gasification of the mineral resource in which case activity 6 in Listing Notice 2 applies.*

■ GNR 327 Environmental Impact Assessment Regulations Listing Notice 1 of 2017 Activity 22:

The decommissioning of any activity requiring –

- (i) a closure certificate in terms of section 43 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002); or*
- (ii) a prospecting right, mining right, mining permit, production right or exploration right, where the throughput of the activity has reduced by 90% or more over a period of 5 years excluding where the competent authority has in writing agreed that such reduction in throughput does not constitute closure; but excluding the decommissioning of an activity relating to the secondary processing of a –*
 - (a) mineral resource, including the smelting, beneficiation, reduction, refining, calcining or gasification of the mineral resource; or*
 - (b) petroleum resource, including the refining of gas, beneficiation, oil or petroleum products; –**in which case activity 31 in this Notice applies.*

■ GNR 327 Environmental Impact Assessment Regulations Listing Notice 1 of 2014 Activity 27:

The clearance of an area of 1 hectare or more, but less than 20 hectares of indigenous vegetation.

■ GNR 327 Environmental Impact Assessment Regulations Listing Notice 1 of 2014 Activity 28:

Commercial and industrial developments where such land was used for agriculture or afforestation on or after 01 April 1998 and where such development (ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare.

Other legislation triggered by the proposed project includes:

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- An application for a Mining Permit in terms of Section 27 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) has been submitted to the Department of Mineral Resource.
- An application for a Water Use Authorization in Section 21 of the National Water Act, 1998 (Act No. 36 of 1998) will be submitted to the Department of Water and Sanitation.

PROJECT DESCRIPTION

The proposed mining site will be an extension of the existing quarry pit previously distributed by stone aggregate mining activities. The mining methods will make use of blasting means of explosives in order to loosen the hard rock, the material is then loaded and hauled out of the excavation to the static crushing and screening plants. The aggregate will be stockpiles and transported to clients via trucks and trailers. All activities will be contained within the boundaries of the site.

The proposed mining area is approximately 5 ha is extent and the applicant, Haw and Inglis Engineering (Pty) Ltd , intends to win material from the area for at least 2 years with a possible extension of another 3 years. The aggregate / stone gravel to be removed from the quarry will be used for road construction in the vicinity. The proposed quarry will therefore contribute to the upgrading / maintenance of road infrastructure and building contracts in and around the Mossel Bay area.

The mining activities will consist out of the following:

- Stripping and stockpiling of topsoil;
- Blasting;
- Excavating;
- Crushing;
- Stockpiling and transporting;
- Sloping and landscaping upon closure of the site; and
- Replacing the topsoil and vegetation the disturbed area.

The mining site will contain the following:

- Drilling equipment;
- Excavating equipment;
- Earth moving equipment;
- Static crushing and screening plants;
- Access Roads;
- Site office (Container);
- Security gate;
- Site vehicles;

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- Parking area for visitors and site vehicles;
- Workshop,
- Washbay;
- Salvage Yard;
- Bunded diesel (20 000l tank) and oil storage facilities;
- Generator or bunded area;
- Weighbridge;
- Workshop; and
- Ablution facilities (Container with septic tank).

DUST:

- 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.
- All disturbed or exposed areas will be re-vegetated as soon as possible during mining to prevent any dust source from being created.

NOISE:

- It will be ensured that employees and staff conduct themselves in an acceptable manner while 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 noise generated from the mining machinery will be similar to noise generated along the R33 by public vehicles. Blasting noise will be instantaneous and of short duration. This will only occur once every two to three weeks.
- 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 to the site will be used. No new roads will be needed for this activity.
- The applicant will be responsible for the maintenance of the road for the duration of the mining activities
- Should any other access roads to the mining area be required it will be established in consultation with the landowner however existing roads will be used as far as practicable.

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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.

VEGETATION:

The proposed Driefonteinen Quarry falls within the Fynbos biome. The prominent vegetation type found in the area of the proposed mining operation is the North Langeberg Sandstone Fynbos (FFs15, status LT) is a tall dense high rainfall form of fynbos shrubland on Table Mountain Sandstone that is rich in species of Erica, Proteaceae and Restionaceae (Cape Reeds). It occurs on hills from Albertinia to Mossel Bay. Fragments of this type along the inland verge of the N2 are not in good condition on the inland verge, and have been converted to grass in places. Vegetation on the wider coastal verge is in better condition. There are no Threatened Red List species records for the N2 in section 23.

The quarry and the majority of its access roads will be located within this vegetation type and it will therefore be impacted by loss through inundation and vegetation clearing.

GEOLOGY & SOILS:

The area is overlain by soils that formed from the local geology that mainly consist of rocks of the Table Mountain Group of the Cape Supergroup. These soils are typically AR1, classified as red, excessively drained sandy soils with high base status. Generally, the farm Driefonteinen 243 and surroundings have soils with a sandy texture, leached and with subsurface accumulation of organic matter, iron and aluminium oxides, either deep or on hard or weathering rock.

The farm Driefonteinen 243 (Remainder of Portion 8) in Mossel Bay and its surroundings rest within the outcrop area of the Table Mountain Group Peninsula Formation of the Cape Supergroup which covers the area.

CLIMATE:

Mossel Bay normally receives about 333mm of rain per year, with rainfall occurring throughout the year. The chart below (lower left) shows the average rainfall values for Mossel Bay per month. It receives the lowest rainfall (21mm) in July and the highest (36mm) in October. The monthly distribution of average daily maximum temperatures (centre chart below) shows that the average midday temperatures for Mossel Bay range from 18.4°C in July to 26°C in

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January. The region is the coldest during July when the mercury drops to 7.6°C on average during the night. Consult the chart below (lower right) for an indication of the monthly variation of average minimum daily temperatures.

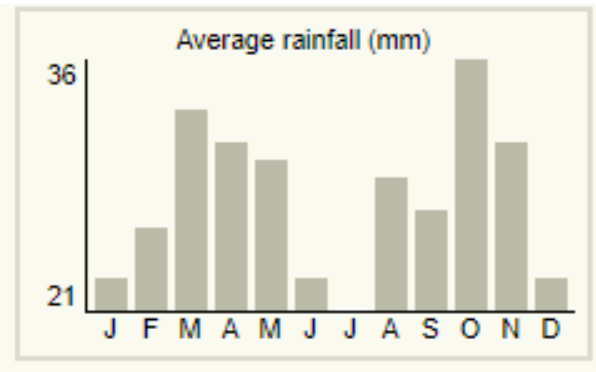


Figure 1: Average rainfall for Mossel Bay

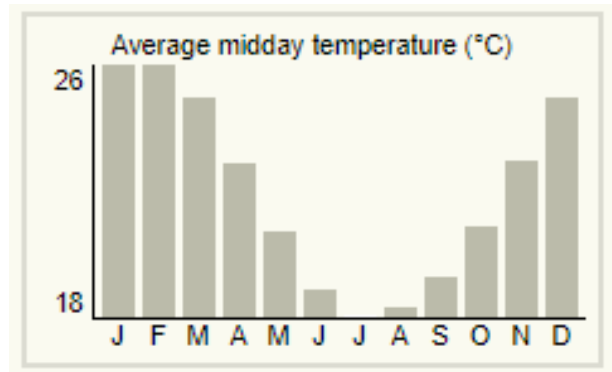


Figure 2: Average midday temperature

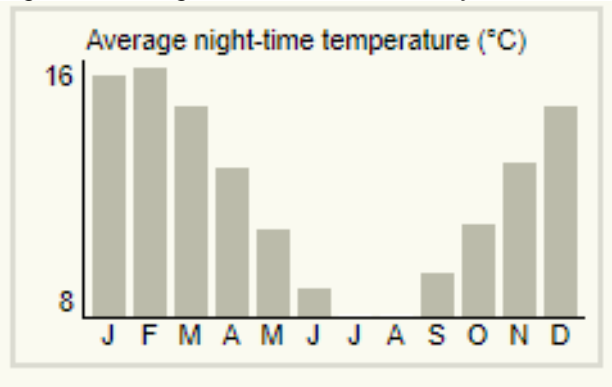


Figure 3: Average night-time temperature

SITES OF ARCHAEOLOGICAL AND CULTURAL INTEREST:

No sites of archaeological or cultural importance were identified during the site inspection. As the proposed mining activity will take place within an area previously utilized for mining purposes, the activity is not anticipated to have a negative impact on any archaeological or cultural aspects.

FAUNA:

Various small mammals and reptiles occur on the property. Larger herbivore species are very scarce or absent due to the conflicting land use.

The fauna at the site will not be impacted by the proposed mining activity as they will be able to move away or through the site, without being harmed. Workers should be informed and managed to ensure that no fauna at the site is harmed. Upon commencement of the proposed mining activities, a fence surrounding the mining area should be erected to prevent sheep entering the site.

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- The fauna at the site will not be impacted by the proposed mining activity as they will be able to move away or through the site, without being harmed. Workers should be educated and managed to ensure that no fauna at the site is harmed.

VISUAL EXPOSURE:

- 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.
- The crusher plant and all stockpiling will be done on the area previously disturbed for mining purposes, and no new processing areas will need to be opened.
- The applicant should 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 insure that the visual impact on the aesthetic value of the area is kept to a minimum.
- The site will have a neat appearance and be kept in good condition at all times

ABLUTION, WASTE WATER & WASTE DISPOSAL:

- Ablution facilities will consist of chemical toilets hired from a contractor and serviced regularly.
- 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 recognised facility.
- Spills would be cleaned up immediately to the satisfaction of the Regional Manager by removing the spillage together with the polluted soil and by disposing of them at a recognised facility.
- No mining waste will be generated. General waste will be disposed at the authorised Mossel Bay Disposal 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 recognised landfill site.
- Biodegradable refuse generated will be handled as indicated above.
- No waste will be burned or buried on site.

FINAL REHABILITATION:

- Rehabilitation of the surface area 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).

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- Waste material of any description, including receptacles, scrap, rubble and tyres, will be removed entirely from the mining area and disposed of at a recognised 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 categorised as weeds according to the National Environmental Management: Biodiversity Act (Act No. 10 of 2004) [NEMBA] Alien and Invasive Species Regulation GNR 598 and 599 of 2014 Species regarded as need to be eradicated from the site on final closure.
- Final rehabilitation shall be completed within a period specified by the Regional Manager.

Haw and Inglis Civil Engineering will make use of temporary office buildings and static plants during the mining operations. Workers will be transported to and from the site daily.

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 an Interested and Affected Party you are kindly requested to complete the comments form and give any comment, concern or input with regard to the current land use of the area, the environment as well as socio-economic conditions that you feel might be affected by the proposed activity. When submitting response please provide suggestions to mitigate the anticipated impact of each identified activity.

Please contact Yolandie Coetzee at the contact details as presented in the letterhead or at yolandie.c@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 **2 May 2019**. If we do not receive any comments from you within 30 days of receipt of this notice, it will be accepted that you do not have any objections / comments with regard to the project.

A register of interested and affected parties (I&AP's) will be opened and maintained containing the names, contact details and address of all persons who have submitted written comments, attended meetings or have in writing requested to be registered and all organs of state which have jurisdiction in respect of the activity.

Please note that only registered I&AP's and stakeholders will be entitled to comment on reports and plans to be submitted to the Department provided that the party provide its name, contact details and address and discloses any direct business, financial, personal or other interest which he / she may have in the approval or refusal of the applications.

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The DBAR will be submitted to the Department of Mineral Resources (DMR), Western Cape, for review purposes. This report will also be made available to the public for a 30 days review period. An electronic copy of the report will be published on the Greenmined Environmental website (www.greenmined.com).

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 DMR 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). All registered I&AP's and stakeholders will be notified in writing within 14 days of the date of the decision of the outcome of the application, including the reasons for the decision and the right of appeal.

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CONTACT DETAILS:

Name/Naam	
Organisation/Instansie	
Interest/Belange	
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

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

Your feedback is valued and will be addressed appropriately.

Kind Regards



Yolandie Coetzee
Greenmined Environmental