



BACKGROUND INFORMATION DOCUMENT

Applicant:

Inzalo Crushing and Aggregates (Pty) Ltd
PO Box 26730
East Rand
Kempton Park
1462
Tel: 011 966 4300

Dear Sir

RE: NOTICE OF APPLICATIONS IN TERMS OF SECTION 22 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)

Inzalo Crushing and Aggregates (Pty) Ltd intends to apply for a mining right to mine 25.4 ha of the remaining extent of the farm Bloemhof 14, Parys, which falls in the Ngwathe Local Municipality in the Parys administrative district, Free State Province.

SITE DESCRIPTION

The remaining extent of the farm Bloemhof 14 is situated approximately 75 km North of Kroonstad, Free State Province. The site is located off the N1 at the R723 Heilbron / Vredefort off ramp. Turn right on the R723 and left in the direction of Heilbron. Continue approximately 1.2 km and turn left at the road towards the Bloemhof Farm continue 1.7km to the farm gates. 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 goal isn't to live forever, it is to protect a planet that will

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The GPS coordinates of the proposed mining area are as follow:

Preferred Alternative	
Decimal Degrees	Degrees; Minutes: Seconds
✦ A27.0548894°S; 27.5625444°E	✦ A27°3'17.6018"S; 27°33'45.1598"E
✦ B27.0513029°S; 27.5650583°E	✦ B27°3'4.6904"S; 27°33'54.2099"E
✦ C27.0483198°S; 27.5596529°E	✦ C27°2'53.9513"S; 27°33'34.7504"E
✦ D27.0502365°S; 27.5575594°E	✦ D27°3'0.8514"S; 27°33'27.2138"E
✦ A27.0548894°S; 27.5625444°E	✦ A27°3'17.6018"S; 27°33'45.1598"E

ALTERNATIVE SITE DESCRIPTION

The following alternative site was assessed for the proposed mining but found not environmentally and practically suitable. The site still has a green status and the natural area will need to be disturbed for the quarry to be established.

Site Alternative	
Decimal Degrees	Degrees; Minutes; Seconds
✦ A27.05248°S; 27.5601234°E	✦ A27°3'8.928"S; 27°33'36.4442"E
✦ B27.0497502°S; 27.5622447°E	✦ B27°2'59.1007"S; 27°33'44.0809"E
✦ C27.0518223°S; 27.5660146°E	✦ C27°3'6.5603"S; 27°33'57.6526"E
✦ D27.0560016°S; 27.5637109°E	✦ D27°3'21.6058"S; 27°33'49.3592"E
✦ A27.05248°S; 27.5601234°E	✦ A27°3'8.928"S; 27°33'36.4442"E

LEGAL COMPLAINT

An application for a mining right in terms of Section 22 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 by GNR 326 effective 7 April 2017), and therefore requires a basic assessment process to obtain environmental authorisation:

- ✦ GNR 325 Environmental Impact Assessment Regulations Listing Notice 2 of 2014 Activity 17 (Mining Right area):

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Any activity including the operation of that activity which requires a mining right in terms of section 22 of the Mineral and Petroleum Resources Development Act, 2002 (act No. 28 of 2002), including associated infrastructure, structures and earthworks directly related to the extraction of a mineral resource or 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 this Notice applies.

■ GNR 327 Environmental Impact Assessment Regulations Listing Notice 1 of 2014 Activity 22 (Mining Area):

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 (Mining and Stockpile Area):

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

■ GNR 327 Environmental Impact Assessment Regulations Listing Notice 1 of 2014 Activity 28 (Mining and Stockpile area):

Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or before 01 April 1998 and where such development will occur outside an urban area, where the total land to be developed is bigger than 1 hectare.

■ GNR 327 Environmental Impact Assessment Regulations Listing Notice 1 of 2014 Activity 35 (Mining and Stockpile area)

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The expansion of residential, retail, recreational, tourism, commercial or institutional developments on land previously used for mining or heavy industrial purposes, where the increased development footprint will exceed 1 000 square meters; excluding—

(i) where such land has been remediated in terms of part 8 of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) in which case the National Environmental Management: Waste Act, 2008 applies; or

(ii) where an environmental authorisation has been obtained for the decommissioning of such a mine or industry in terms of this Notice or any previous NEMA notice; or

(iii) where a closure certificate has been issued in terms of section 43 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) for such land.

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Other legislation triggered by the proposed project includes:

- An application for a Mining Right in terms of Section 22 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) has been submitted to the Department of Mineral Resource.

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 mobile 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 25.4 ha in extent and the applicant, Inzalo Crushing and Aggregates (Pty) Ltd, intends to win material from the area for at least 20 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 in and around the Kroonstad / Parys 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; and
- Mobile crushing and screening plants.

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DUST:

- Speed on the access road will be limited to 30 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.
- Water from the existing pit will be pumped out of the quarry and reused for mineral processing and dust suppression.

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 N1 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:

- Informal roads already exist on site and no new roads will be constructed. Vehicular movement will be restricted to existing access routes to prevent crisscrossing of tracks through undisturbed areas.
- 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.

SURFACE AND GROUND WATER:

- The proposed activities are not expected to have a negative impact on any surface and ground water of the area.

VEGETATION:

- Undulating plains supporting short grassland, in natural condition dominated by *Themeda triandra* while *Eragrostis curvula* and *E. chloromelas* become dominant in degraded habitats. Dwarf karoo bushes establish in severely degraded clayey bottomlands. Overgrazed and trampled low-lying areas with heavy clayey soils are prone to *Acacia karroo* encroachment.

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- Sedimentary mudstones and sandstone mainly of the Adelaide Subgroup (Beaufort Group, Karoo Supergroup) as well as those of the Ecca Group (Karoo Supergroup) found in the extreme northern section of this grassland, giving rise to vertic, melanic and red soils (typical forms are Arcadia, Bonheim, Kroonstad, Valsrivier and Rensburg)—typical of Dc land type (dominating the landscape). The less common intrusive dolerites of the Jurassic Karoo Dolerite Suite support dry clayey soils typical of the Ea land type.

CLIMATE:

- According to SA Explorer, the area normally receives about 467mm of rain per year, with most rainfall occurring mainly during mid summer. The chart below (lower left) shows the average rainfall values for the area per month. It receives the lowest rainfall (0mm) in July and the highest (85mm) in January. The monthly distribution of average daily maximum temperatures (centre chart below) shows that the average midday temperatures for the area range from 17°C in June to 28°C in January. The region is the coldest during June when the mercury drops to 0°C on average during the night. Consult the chart below (lower right) for an indication of the monthly variation of average minimum daily temperatures.

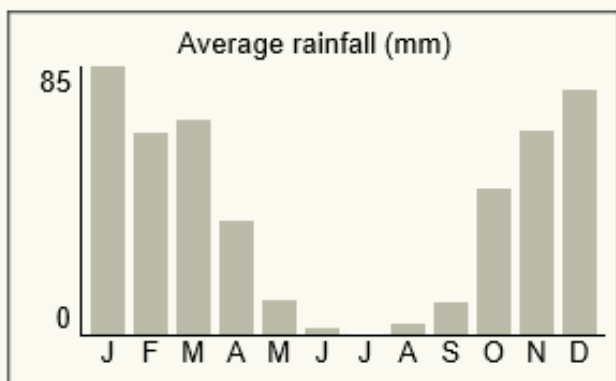


Figure 1: Average rainfall for the area

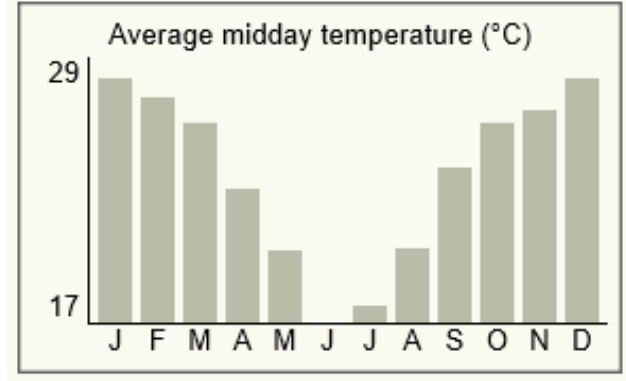


Figure 2: Average midday temperature

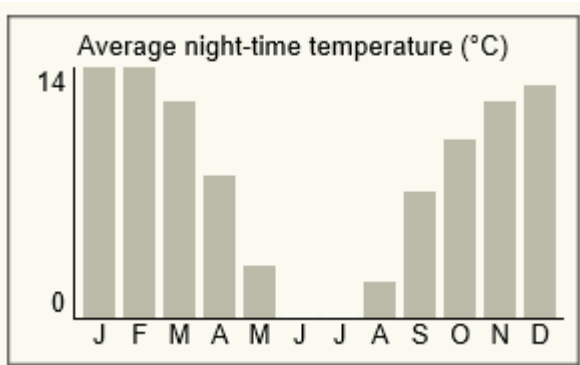


Figure 3: Average night-time temperature

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SENSITIVE LANDSCAPES:

- No sensitive landscapes under statutory protection occur on the site.
- There are no protected areas (game parks/ nature reserves or monument) in close proximity to the proposed site.

SITES OF ARCHAEOLOGICAL AND CULTURAL INTEREST:

- No sites of archaeological or cultural importance were identified during the site inspection as the site has been extensively used for mining and sugar cane farming purposes.

FAUNA:

- No animals were spotted during the site inspection. Animals that may occur in the area will be very similar to those found around Koppies. The area was previously disturbed for the recovery of gravel. Small mammals, reptiles and insects will occur in the area.
- 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 site will be visible from the N1.
- 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 ensure 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 Parys / Kroonstad / Koppies Disposal facility.

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- 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).
- 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.

The applicant will make use of temporary infrastructure 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 Sonette Smit at the contact details as presented in the letterhead or at Sonette.s@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 **13 April 2018**. 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.

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Interested and Affected Parties (I&AP's) are invited to provide written comments. I&AP's must provide their comments with their name and contact details to the environmental consultant indicated below within 30 days from the date of this notice (13th March 2018). Should additional information be required it could be obtained from Greenmined Environmental.

Interested and Affected Parties (I&AP's) are invited to attend the public meeting on 27th of March 2018.

- Location: The remaining extent of the farm Bloemhof 14 – (The proposed application area)
- Time: 11:00

A register of interested and affected parties (I&AP's) will be opened and maintained containing the names, contact details and addresses 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 provides 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.

The Draft Scoping Report (DSR) will be submitted to the Department of Mineral Resources (DMR) – Welkom 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). All registered I&AP's and stakeholders will be notified of the commenting period in advance as above.

The DSR will then be updated to reflect the comments received during the public commenting period. Thereafter, the Final Scoping Report (FSR) will be submitted to the DMR for its consideration as part of the authorization process in terms of the NEMA 2014 regulations (as amended by GNR 326 effective 7 April 2017). A copy of the final report will be made available on the Greenmined Environmental website. Once the Final Scoping Report has been accepted by the DMR, the Draft Environmental Impact Assessment Report (DEIAR) will be prepared and also made available to the public for a 30-day commenting period. An electronic copy of the DEIAR report will also be published on the Greenmined Environmental website. All registered I&AP's and stakeholders will be notified of the commenting period in advance.

Upon expiry of the commenting period the DEIAR will be updated to reflect the comments received during the public commenting period. Thereafter, the Final EIAR will be submitted to the DMR for its consideration as part of the authorization process in terms of the NEMA 2014 regulations (as amended by GNR 326 effective 7 April 2017). A copy of the final report will be made available on the Greenmined Environmental website. 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



Sonette Smit
Greenmined Environmental