

BALMORAL QUARRY

**INZALO CRUSHING AND AGGREGATES (PTY) LTD**

**B & E INTERNATIONAL (PTY) LTD**

**BALMORAL QUARRY (STONE GRAVEL / AGGREGATE) ON A PORTION  
OF PORTION 30 OF THE FARM DOORNRUG 302 JS, BALMORAL  
DISTRICT, MPUMALANGA PROVINCE**

**ENVIRONMENTAL PERFORMANCE ASSESSMENT**



<b>DMR REFERENCE NUMBER:</b>	MP 30/5/1/2/10104 MR
<b>DMR REFERENCE NUMBER:</b>	MP 30/5/1/3/3/2/1/ 00073 EM
<b>NEAS NO:</b>	MP/EIA/0000957/2015
<b>AUDIT PERIOD:</b>	<b>September 2025</b>

**PREPARED FOR:**

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# 1. PROJECT SPECIFIC DETAIL

ITEM	MINING RIGHT HOLDER
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ITEM	LOCATION AND AREA INFORMATION
Site Name	Balmoral (Howards) Quarry
Property Description	On a portion of portion 30 of the farm Doornrug 302 JS, Balmoral District, Mpumalanga Province.
Location	Balmoral quarry is found between the N4 and the R104 approximately 16km west of Emalaheni
Size of Mining Area	20.16 ha
Size of Possessing Area	42.75 ha

**BALMORAL QUARRY****DISCLAIMER**

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## 2. ENVIRONMENTAL AUDIT REPORT – MINING RIGHT (INZALO CRUSHING AND AGGREGATES (PTY) LTD

### PROJECT DETAIL

<b>PERMIT NUMBER:</b>	MR 30/5/1/2/10104 MR	<b>DATE OF COMMENCEMENT:</b>	29 <sup>th</sup> of January 2019.
<b>SITE NAME:</b>	Balmoral (Howards) Quarry	<b>INSPECTION DATE:</b>	11 September 2025
<b>CONTRACTOR:</b>	B&E International (Pty) Ltd	<b>OTHER AUTHORISATIONS:</b>	DWS: GA – 16/2/7/B100/C37 NEAS: MPP/EIA/0000957/2015
<b>MINING RIGHT HOLDER:</b>	Inzalo Crushing and Aggregates (Pty) Ltd		
<b>REPORT NUMBER:</b>	22		

### DETAIL OF AUDITOR

#### (APPENDIX 7 SUB-REGULATION 3(A) & (B)):

<b>ECO:</b>	Sonette Smit
<b>EXPERTISE:</b>	Mrs. S Smit has 17 years of experience in environmental legal compliance audits, (GIS) geographic information system, mining right and permit applications and applications for environmental authorisations & Water use applications.
<b>DECLARATION OF INDEPENDENCE:</b>	<p>I, Sonette Smit, in my capacity as environmental control officer declare that–</p> <ul style="list-style-type: none"> <li>■ I act as independent environmental control officer in this compliance audit;</li> <li>■ I will perform the work relating to the audit in an objective manner, even if the results and findings are not favourable to the holder of the authorisation;</li> <li>■ I have expertise in conducting environmental compliance audits, including knowledge of the Act and regulations that have relevance to the activity;</li> <li>■ I will adhere to and comply with all responsibilities as indicated in the National Environmental Management Act and Environmental Impact Assessment Regulations.</li> <li>■ I do not have and will not have any vested interest in the activity other than remuneration for work performed in terms of the Environmental Impact Assessment Regulations, 2014.</li> </ul> <div style="text-align: center;">  </div> <p style="text-align: center;">Sonette Smit</p> <p style="text-align: right;">Date: 11 September 2025</p>

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**SCOPE & PURPOSE OF ENVIRONMENTAL AUDIT****(APPENDIX 7 SUB-REGULATION 3(C)):**

This environmental audit report was compiled in terms of the requirements of the NEMA EIA Regulations, 2014 (as amended 2017).

**OBJECTIVE:**

The objective of the environmental audit report (EAR) is to evaluate compliance of the operational activities with the Environmental Management Programme Report (EMPR) as approved by the Department of Mineral Resources.

**INSPECTED AREAS:**

The inspection included an assessment of the following areas:

- Quarry pit;
- Overburden and topsoil stockpiles; and
- Aggregate Stockpiles.


In order to establish the environmental compliance assessment of the operation, the mining site was inspected on foot by the Environmental Control Officer, Sonette Smit, from Greenmined Environmental.

**ASSUMPTIONS, UNCERTAINTIES OR GAPS IN KNOWLEDGE****(APPENDIX 7 SUB-REGULATION 3(F)):**

The assumptions made in this document, stem from specific information gathered during the site audit and background information gathered from site management. No uncertainties or gaps in knowledge could be identified that is applicable during this audit period.

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**LOCATION**

<b>SITE LOCATION:</b>	Balmoral (Howards) Quarry is located on a portion of portion 30 of the farm Doornrug 302 JS, Balmoral District, Mpumalanga Province. Balmoral quarry is found between the N4 and the R104 approximately 16km west of Emalaheni.
<b>SITE MAP:</b>	
<b>SITE COORDINATES</b>	<div>A -25.871020° S 29.053133°E</div> <div>B -25.871197° S 29.047524°E</div> <div>C -25.874620° S 29.047827°E</div> <div>D -25.874341° S 29.052938°E</div>

**PROJECT DESCRIPTION**

The Balmoral Quarry operation entails the expansion of an existing quarry pit on the property. The dolerite is mined through conventional opencast mining, where after it is processed at a crushing plant to produce aggregates for the construction industry. The processing area surrounds the mining right area. B&E International (Pty) Ltd operates the processing area (with a valid Environmental Authorisation) and is in agreement with the MR Holder for the supply of dolerite from the Balmoral Quarry. The mining right is valid until 16 December 2028.

**SITE CONDITIONS**



Sunny and warm with no wind.



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### REPORTABLE ENVIRONMENTAL INCIDENTS

<b>INCIDENT DATE:</b>	No reportable environmental incidents occurred during the months of July to December 2024. The quarry keeps a register of all the incidents that occur during the operations phase.
<b>INCIDENT NO:</b>	
<b>INCIDENT:</b>	
<b>HOW ADDRESSED:</b>	
<b>WHEN ADDRESSED:</b>	

### ADOPTED METHODOLOGY

*(APPENDIX 7 SUB-REGULATION 3(D):*

COMPLIANCE SCORE	DESCRIPTION
1	Task not achieved
2	Task 20% achieved
3	Task 50% achieved
4	Task 80% achieved
5	Task 100% achieved in accordance with the EMP

MITIGATION NEEDED	DESCRIPTION
1	<b>LOW</b> – Mitigation not needed / mitigation measures to be maintained
2	<b>MEDIUM</b> – Mitigation should be considered
3	<b>HIGH</b> – Mitigation compulsory

### INSPECTION ASPECTS

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
<b>LEGISLATION COMPLIANCE</b>				
Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002)	5	-	Compliant	The mining right was issued on 29 January 2019 and is valid until 16 December 2028.
Mining Right available on site	5	-	Compliant	-
Mine Plan annually reviewed.	5	-	Compliant	
National Water Act, (Act No 36 of 1998)	5	-	Compliant	DWS confirmed that the GA of the site is still valid.
Copy of water use authorisation available on site	5	-	Compliant	-
National Environmental Management Act, 1998 (Act No 107 of 1998) and the Environmental Impact Assessment Regulations, 2014 (as amended 2017)	5	-	Compliant	The EA for the mining area was issued on 28 July 2016.
Copy of the EA and EMPR available on site.	5	-	Compliant	-
National Environmental Management: Air Quality Act, 2004 (Act No 39 of 2004)	5	-	Compliant	Fall-out dust monitoring is done on a monthly basis. The latest results complied with the required standards. Please refer to General Report.
National Environmental Management: Biodiversity Act, 2004 (Act No 10 of 2004) (NEM:BA)	3	3	Being addressed	Listed invaders present along stockpiles and haul edges. This is a work in progress and site management has measures in place to manage the spreading of the listed weeds/invaser plants that germinated at the mine and that it is being removed on a regular basis. Implement monthly contractor-assisted eradication with

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
				follow-up within 6 weeks; record species list; dispose per CARA Regs.
National Environmental Management: Waste Act, 2008 (Act No 59 of 2008)	5	-	Compliant	None.
Hazardous Substances Act, 1973 (Act 15 of 1973)	5	-	Compliant	-
ASPECTS OF THE AFFECTED ENVIRONMENT				
TOPSOIL MANAGEMENT				
Topsoil stripping	5	-	Compliant	Topsoil was initially stripped. No new areas were opened during the audit period.  <b><u>All new stockpiles areas to be opened should be handled as per Topsoil management described in the general section.</u></b>
Topsoil storage (heaps not exceeding 2 m)	5	-	Compliant	<ul style="list-style-type: none"> <li>Topsoil stockpiles are too standard and placed on a levelled area to safeguard the piles from being washed away in the event of heavy rains/storm water.</li> <li>Topsoil stockpiles have been sloped.</li> </ul>
Overburden stripped & stockpiled	5	-	Compliant	-
Topsoil heaps vegetated	5	-	Compliant	Vegetation established on all the topsoil heaps.
Stockpiles monitored for erosion, weeds and foreign matter	3	3	Being addressed	Listed invaders present along stockpiles and haul edges. This is a work in progress and site management has measures in place to manage the spreading of the listed weeds/invaser plants that germinated at the mine and that it is being removed on a regular basis. Implement monthly contractor-assisted eradication with

				follow-up within 6 weeks; record species list; dispose per CARA Regs.
Topsoil returned to rehabilitated area	N/A	-	N/A	No rehabilitation has been conducted as mining is still active on site.
<b>VEGETATION</b>				
Protected plants sheltered from mining activities	5	-	Compliant	There are no protected plants within the mining area. The no-go area is adequately managed and were intact at the time of the inspection.
Riparian vegetation protected	5	-	Compliant	-
Aliens & weeds controlled on site	3	3	Being addressed	Weeds are still found on site. This is a work in progress and site management has measures in place to manage the spreading of the listed weeds/invaser plants that germinated at the mine and that it is being removed on a regular basis.
No collection of fire wood allowed	5	-	Compliant	-
<b>FAUNA</b>				
All animals, birds and reptiles protected on site	5	-	Compliant	-
Operation pit providing an escape route for trapped animals	5	-	Compliant	-
Operational areas daily inspected for signs of trapped animals	5	-	Compliant	-
<b>AIR QUALITY AND NOISE</b>				
Dust suppression implemented	5	-	Compliant	Fall-out dust monitoring is done monthly. The latest results complied with the required standards.
Dust monitoring equipment operational	5	-	Compliant	-
Processing plant fitted with water sprayers	5	-	Compliant	-
Hearing protection available to employees	5	-	Compliant	-

Mining equipment serviced regularly to ensure noise emissions are minimized	5	-	Compliant	-
Blasting vibration and blast noise monitoring implemented on site	5	-	Compliant	-
<b>ARCHAEOLOGICAL AND CULTURAL INTEREST</b>				
Archaeological and/or cultural remnants protected	5	N/A	Compliant	The mining operation has to date not uncovered any archaeological and/or cultural remnants.
<b>SURFACE AND GROUND WATER</b>				
Storm water diverted around the stockpiled area and access roads to prevent erosion	5	-	Compliant	Additional Storm water drainage lines were implemented to divert storm water to the quarry and around stockpiles.
Storm water Management Plan implemented on site	5	-	Compliant	No areas of concern were noted within the mining footprint.
Damming up of water in the mining area prevented	5	-	Compliant	The only water damming in the mining area is the water that accumulates in the quarry pit. An agreement regarding dewatering of the quarry has been made between the landowner and the contractor
Mining conducted in accordance with the Best Practice Guidelines for small scale mining	5	-	Compliant	-
Areas with erosion reinstated	5	-	Compliant	No areas of concern were identified at the mining footprint.
<b>VISUAL EXPOSURE</b>				
Is the contractor implementing good visual and housekeeping standards	4		Non - Compliant	Weeds are still found on site. This is a work in progress and site management has measures in place to manage the spreading of the listed weeds/invasive plants that germinated at the mine and that it is being removed on a regular basis. This however contribute to the site not scoring 100% for housekeeping.
Height of product stockpiles determined based on visibility of site	5	-	Compliant	The height of the stockpiles is kept between 3 - 5m.

MINING ACTIVITIES				
MANAGEMENT OF FUEL AND HYDROCARBON PRODUCT				
Hazardous material stored within a bunded area (110% capacity)	5	-	Compliant	-
Management of fuel and oil spills.	5	-	Compliant	
Drip trays present when refuelling is done outside the service bay.	5	-	Compliant	-
Sump and oil separator operational	N/A	-	N/A	No workshop and/or wash bay was constructed within the mining footprint.
WASTE MANAGEMENT				
Site free of day-to-day litter	5	-	Compliant	
Mixing of waste prevented	5	-	Compliant	
General waste dumped at a recognised landfill site	5	-	Compliant	Any general waste produced at the mining area is transported to the processing area from where it is removed by Averda.
Hazardous waste removed by a registered waste handling contractor	5	-	Compliant	Any hazardous waste produced at the mining area is transported to the processing area from where it is removed by Averda.
Waste disposal permits on site	5	-	Compliant	-
No waste stockpile area allowed outside the boundaries of the mining area	5	-	Compliant	-
Suitable covered receptacles available at all times and conveniently placed for the disposal of waste	5	-	Compliant	-
Integrated waste management approach implemented on site	5	-	Compliant	-
FIRE MANAGEMENT:				
Fire-fighting equipment available on-site.	5	N/A	Compliant	-
No open fires at mining site allowed	5	N/A	Compliant	-

MINING ACTIVITY / EQUIPMENT MANAGEMENT:				
Mining area demarcated with visible beacons	5	N/A	Compliant	Oversized rock is painted white and placed around the perimeter of the quarry pit.
Access road maintained	5	N/A	Compliant	-
All mining earth-moving equipment & vehicles operating within site boundaries preventing crisscrossing	5	N/A	Compliant	-
Mining equipment mechanically sound without visible oil leaks	5	N/A	Compliant	At the time of the inspection, this appeared to be true.
Vehicle repairs only conducted in service bay area, and waste products disposed of in containers/bins	5	N/A	Compliant	-
Mining equipment serviced regularly to ensure noise emissions are minimized	5	N/A	Compliant	-
BLASTING:				
Surrounding land users informed of blasting events	5	-	Compliant	
Measures implemented to limit fly rock	5	-	Compliant	-
Fly rock that falls beyond the working area, collected and removed.	5	-	Compliant	-
EMPLOYEE AND SAFETY MANAGEMENT:				
Workers inducted and informed of EMP conditions	5	-	Compliant	-
Proof of training available	5	-	Compliant	-
No camping allowed on the mining area	5	-	Compliant	-
Workers provided with PPE	5	-	Compliant	-
Are there signs present, indicating the mining site and speed restrictions	5	-	Compliant	-
Appropriate notification signage erected at the mining site, warning the public	5	-	Compliant	-

about the hazard around the mining site and presence of heavy vehicles and machinery				
Effective access control to prevent unauthorised entry.	5	-	Compliant	-
Hauling routes clearly marked with appropriate signalling.	5	-	Compliant	-
Site fenced off to control access	5	-	Compliant	-
<b>ENVIRONMENTAL AUTHORISATION CONDITIONS</b>				
Inzalo must appoint an Independent ECO that will have the responsibility of monitoring and reporting non-compliance with the conditions of the EA as well as monitor and reporting on the implementation of the approved EMPR	5	-	Compliant	Greenmined Environmental was appointed as ECO on site.
The ECO must be appointment before the commencement for the construction and the Department must be notified of such appointment for communication purpose	5	-	Compliant	Department has been notified of the appointment of the ECO.
The ECO must oversee and monitoring the success of all rehabilitated activities.	N/A	N/A	N/A	No rehabilitation activities currently taking place on site.
During the construction phase, the ECO must submit monthly compliance report to the Department in writing and copy the application with such report. Where applicable the ECO may negotiate the required frequency for the submission with the Department, which must be agreed to in writing by the Department.	N/A	N/A	N/A	The quarry is currently in the operational phase therefor this is not applicable. The previous EPA was submitted in January 2024 to the Department. Quarterly ECO reports are being submitted to the applicant and annually submitted to the department as part of the annual reporting for the mining right.



The reports must include a description of the activities on site, problems identified, transgressions noted and remedial action implemented. All reports must reflect the Departments reference number of the project on the cover page. The ECO must maintain the following on site: A site diary, copies of all report submitted to the Department. A complaint register of all the environmental complains regarding the proposed project and the remedies applied to such complaints.				
The ECO must remain employed until all rehabilitated measures as well as site clean-up are completed and the site is handed over to the applicant by the contractor for operation.	5	-	Compliant	-
The holder of the authorisation, must submit an EAR to the Department upon completion for the constructions and rehabilitation activities. The EAR must be compiled by an independent EAP and must indicated the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the conditions of this authorisation as well as the requirements of the EMPr	N/A	N/A	N/A	The quarry is still active.
Notice must be given of commencement of activities	5	-	Compliant	Letter of enactment was sent to the Department on the 30 <sup>th</sup> of January 2019.

Contractor must be familiar with and adhere to and local bylaws and regulation regarding the generation of noise and hours of operation	5	-	Compliant	-
Planning and design of all elements of the application must be in accordance with the acceptable and approved standards as required by the relevant authorities.	5	-	Compliant	-
The perimeter of the site must be defined, and demarcation of material lay down areas must preceded all activities on site.	5	-	Compliant	Areas are demarcated with large rocks and white pegs and/or fenced.
No vehicles, machinery or equipment with leaks or causing spills may be allowed to operation on the construction site.	5	-	Compliant	-
Vegetation and topsoil removal must be minimised and restricted to the required footprint areas.	5	-	Compliant	-
All alien invasive plants species must be identified and cleared prior to vegetation clearance.	4	3	Being addressed	Weeds are visible on site but is being eradicated and managed on a continuous basis to avoid serious spreading.
Topsoil must be stockpiled at a height not exceeding 1.5m at a pre-designated location for use right rehabilitation and landscaping.	5	-	Compliant	-
All dirt roads that will not be surface prior to the development must be sprayed with water to keep the road moist and to eliminate any dust.	5	-	Compliant	Dust suppression is implemented along the roads and other work areas.

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Flows leaving the site must be suitably attenuated, specifically for storm events with a return frequency of up to 1:5 year return frequency. The instantaneous discharge volume and peaks may not exceed 20% of the pre-developed conditions measures at the point where the current flows leave the property.	5	-	Compliant	-
Increased runoff due to vegetation clearance and/or soil compaction and/or any hardened surfaces must be managed.	5	-	Compliant	-
Soils that become compacted through the activities of the development must be loosened to an appropriate depth to allow seed germination.	N/A	N/A	N/A	To be addressed during the rehabilitation phase.
The storage and handling of fuel, lubricant and other chemicals must be in especially demarcated impervious and bunded areas.	5	-	Compliant	All hydrocarbons are stored at the workshop area.
It is the responsibility if the holder of the authorisation to rectify any source of pollution from their undertaking and to take appropriate measures to prevent any pollution of surface as well as ground water	5	-	Compliant	-
Any fire started intentionally or unintentionally from the site during construction will be the responsibility of the contractors and site developers	5	-	Compliant	-

There must be a fire monitoring and prevention response plan in place.	5	-	Compliant	-
No plants or trees to be removed without the approval of the ECO	5	-	Compliant	-
All disturbed areas must be fully rehabilitated and protected from erosion. Rehabilitation measures must be aimed at the prevention of soil erosion and the re-establishment of indigenous vegetation.	N/A	N/A	N/A	To be implemented during the rehabilitation phase.
All waste generated on the site must be disposed of at a registered landfill stated as stated in the EMPR	5	-	Compliant	-
Pollution due to improper storage of construction materials or any hazardous substances is prohibited.	5	-	Compliant	-
Speed on access roads and on the mining site must be limited to 40 km/h to prevent the excess generation of dust.	5	-	Compliant	-
An air quality systems and monitoring system must be in place during all the phases of the development	5	-	Compliant	Fallout- and gravimetric dust monitoring have been implemented at the quarry.
The two stone cairns recorded outside the mining footprint area must be demarcated with a 10m buffer zone to protects if from any accidental damage from the mining activities	5	-	Compliant	The boundary fence acts as a buffer area of 20 m from the stone cairns.
Construction personnel must be sensitized to the requirements of SAHRA. Should any material of cultural or archaeological significance be	5	-	Compliant	All staff was notified during site induction.

encountered during construction, all activities must cease immediately and SAHRA must be notified.				
The proposed mining of dolerite must only commence provided there is a valid road closure agreement for blasting between the applicant (Inzalo and the relevant roads management authority of the N4 toll road.	5	-	Compliant	TRAC agreement in place.
Complaint received from the public during the construction and operational phases of the activity must be attended to ASAP and addressed to the satisfaction of all concerned.	5	-	Compliant	No complaints were received during the audit period.
<b>GENERAL</b>				
Copy of the EA must be kept on site.	5	-	Compliant	-

**COMMENTS OR COMPLAINTS RECEIVED FROM I&AP'S**

**(APPENDIX 7 SUB-REGULATION 3(G) & (J)):**

No Complaints were received during the months of July - September 2025 audit period.

**AUDITING OF EA, EMPR AND REPORTING THEREOF**

**(REGULATION 34):**

<b>Date of previous EAR/EPA:</b>	January 2024
<b>Proof of submission to DMR available:</b>	The EPA was submitted on January 2024 to the DMRE. Proof of submission of the EPA is available from Greenmined Environmental (Pty) Ltd or B&E International (Pty) Ltd.
<b>EAR/EPA compiled by independent person with environmental auditing expertise:</b>	Compiled by Greenmined Environmental (Pty) Ltd.
<b>Potential and registered I&amp;AP's notified within 7 days of the submission date, and report available on publicly accessible website</b>	<ul style="list-style-type: none"> <li>■ All documents are publicly assessable at the Inzalo Balmoral site offices.</li> <li>■ A sign board is placed on the N4 highway alerting the public of blasting events.</li> <li>■ Neighbours within the range are notified via telephone calls of each blasting event.</li> </ul>

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**GENERAL REPORT**

The compliance of Balmoral Quarry with its approved Environmental Management Programme (EMPr) was reviewed during the September site assessment. The operation achieved a compliance score of **99.38%** for the audit period.

Balmoral (Howards) Quarry is an established opencast aggregate and stone mining operation, holding a valid mining right for the quarry pit and an environmental authorisation (EA) for the surrounding processing area. The quarry is operated by B&E International (Pty) Ltd, who hold the EA and are appointed as the sub-contractor for the mining right area. Although separate authorisations are in place, the quarry pit and adjacent crushing and screening facility function together as an integrated operation.

During the assessment, the quarry was operational and found to be in an acceptable condition. The audit did not identify significant environmental risks or major non-compliances within these areas assessed. The only non-compliance noted remains the ongoing challenge of weed growth, which continues to require management attention.

**Dust Monitoring:**

The dust results are indicated below:

**9 July – 11 Aug 2025**

- Unit 1 yielded 129 mg/m<sup>2</sup>/day in this period.
- Unit 2 yielded 192 mg/m<sup>2</sup>/day in this period.
- Unit 3 yielded 190 mg/m<sup>2</sup>/day in this period.
- Unit 4 yielded 235 mg/m<sup>2</sup>/day in this period.

**11 Aug - 11 Sept 2025**

- Unit 1 yielded 150 mg/m<sup>2</sup>/day in this period.
- Unit 2 yielded 542 mg/m<sup>2</sup>/day in this period.
- Unit 3 yielded 371 mg/m<sup>2</sup>/day in this period.
- Unit 4 yielded 832 mg/m<sup>2</sup>/day in this period.

All units were compliant for this period

**DOCUMENT CHECKLIST (ENVIRONMENTAL FILE):**

- Environmental file with all applicable documents is available on site.

BALMORAL QUARRY

**MATTERS TO BE ADDRESSED:**

Listed invasive plant species were observed along stockpiles and haul road edges. This remains an ongoing management issue. Site management has measures in place to limit the spread of these weeds, and active removal is being carried out on a regular basis. To strengthen control, it is recommended that:

- Monthly contractor-assisted eradication be implemented, with follow-up treatment within six weeks.
- A species list be compiled and maintained for monitoring purposes.
- All plant material be disposed of in accordance with the CARA Regulations.

**ABILITY OF EMPR TO ADEQUATELY MANAGE OR MITIGATE ENVIRONMENTAL IMPACTS  
(APPENDIX 7 SUB-REGULATION 3(E)):**

It is believed that the EMPR currently adequately manage and/or mitigate environmental impacts at the mining area.


**NEED FOR AMENDMENT OF THE EMPR:**

No need was identified for the amendment of the EMPR.

**FINANCIAL PROVISION:**

The financial provision to be provided to the Department of Mineral Resources and Energy by Inzaio Crushing and Aggregates (Pty) Ltd to cover the financial provision amount for 2024 was calculated to be R 941 535.30. The 2024 financial provision exceeds the value of the financial guarantee in place with the DMRE (Table 16), and therefore the right holder may have to provide the shortfall if required by the DMRE.

**ECO SIGNATURE**

NAME:	SIGNATURE:	DATE:
Sonette Smit		11 September 2025



BALMORAL QUARRY

**PHOTOGRAPHS**

**QUARRY AREA**



BALMORAL QUARRY

**WEEDS VISIABLE ON SITE**



**TOPSOIL STORAGE**




### **3. ENVIRONMENTAL AUDIT REPORT – ENVIRONMENTAL AUTHORISATION FOR PROCESSING AREA – B & E INTERNATIONAL (PTY) LTD**

#### **PROJECT DETAIL**

<b>REFERENCE NUMBER:</b>	MP 30/5/1/3/3/2/100073 EM	<b>DATE OF COMMENCEMENT:</b>	29 <sup>th</sup> of January 2019.
<b>SITE NAME:</b>	Balmoral (Howards) Quarry	<b>INSPECTION DATE:</b>	11 September 2025
<b>CONTRACTOR:</b>	B&E International (Pty) Ltd	<b>OTHER AUTHORISATIONS:</b>	MR 30/5/1/2/10104 MR
<b>REPORT NUMBER:</b>	22		DWS: GA – 16/2/7/B100/C37

#### **DETAIL OF AUDITOR**

##### **(APPENDIX 7 SUB-REGULATION 3(A) & (B)):**

<b>ECO:</b>	Sonette Smit
<b>EXPERTISE:</b>	Mrs. S Smit has 17 years of experience in environmental legal compliance audits, (GIS) geographic information system, mining right and permit applications and applications for environmental authorisations & Water use applications.
<b>DECLARATION OF INDEPENDENCE:</b>	<p>I, Sonette Smit, in my capacity as environmental control officer declare that–</p> <ul style="list-style-type: none"> <li>■ I act as independent environmental control officer in this compliance audit;</li> <li>■ I will perform the work relating to the audit in an objective manner, even if the results and findings are not favourable to the holder of the authorisation;</li> <li>■ I have expertise in conducting environmental compliance audits, including knowledge of the Act and regulations that have relevance to the activity;</li> <li>■ I will adhere to and comply with all responsibilities as indicated in the National Environmental Management Act and Environmental Impact Assessment Regulations.</li> <li>■ I do not have and will not have any vested interest in the activity other than remuneration for work performed in terms of the Environmental Impact Assessment Regulations, 2014.</li> </ul> <div style="text-align: center;">  </div> <p style="text-align: center;">Sonette Smit</p> <p style="text-align: right;">Date: 11 September 2025</p>



## BALMORAL QUARRY

**SCOPE & PURPOSE OF ENVIRONMENTAL AUDIT****(APPENDIX 7 SUB-REGULATION 3(C)):**

This environmental audit report was compiled in terms of the requirements of the NEMA EIA Regulations, 2014 (as amended 2017).

**OBJECTIVE:**

The objective of the environmental audit report (EAR) is to evaluate compliance of the operational activities with the Environmental Management Programme Report (EMPR) as approved by the Department of Mineral Resources.

**INSPECTED AREAS:**


The inspection included an assessment of the following areas:

- Weighbridge area;
- Security control room;
- Waste disposal area;
- Crushing area and;
- Workshop area;
- In order to establish the environmental compliance assessment of the operation, the mining site was inspected on foot by the Environmental Control Officer, Sonette Smit, from Greenmined Environmental (Pty) Ltd.

**ASSUMPTIONS, UNCERTAINTIES OR GAPS IN KNOWLEDGE****(APPENDIX 7 SUB-REGULATION 3(F)):**

The assumptions made in this document, stem from specific information gathered during the site audit and background information gathered from site management. No uncertainties or gaps in knowledge could be identified that is applicable during this audit period.

### LOCATION

<b>SITE LOCATION:</b>	Balmoral (Howards) Quarry is located on a portion of portion 30 of the farm Doornrug 302 JS, Balmoral District, Mpumalanga Province. Balmoral quarry is found between the N4 and the R104 approximately 16km west of Emalaheni
<b>SITE MAP:</b>	
<b>SITE COORDINATES:</b>	<p>a -25.876764° S 29.043564°E</p> <p>b -25.873261° S 29.043517°E</p> <p>c -25.872869° S 29.047042°E</p> <p>d -25.870692° S 29.046817°E</p> <p>e -25.870369° S 29.053200°E</p> <p>f -25.873239° S 29.053314°E</p> <p>g -25.873319° S 29.054717°E</p> <p>h -25.877344° S 29.052128°E</p>

### PROJECT DESCRIPTION

The applicant, B&E International (Pty) Ltd, applied for environmental authorization to crush and screen aggregates on 42.75 ha of Portion 30 & 42 of the farm Doornrug 302 JS, Balmoral District, Mpumalanga Province.

The activity entails the crushing, screening and stockpiling of aggregate obtained from the existing quarry on the property. The applicant purchases the hard rock from the mining right holder and transport it to the proposed processing area. A site office, workshop and service area, weighbridge and ablution facilities were established at the site. Process water is obtained from the existing quarry pit. Potable water is daily transported to site. The EA was approved on the 31<sup>st</sup> of August 2018.

### SITE CONDITIONS



Sunny and warm with no wind.

### REPORTABLE ENVIRONMENTAL INCIDENTS

<b>INCIDENT DATE:</b>	No reportable environmental incidents occurred during the months of July – August 2025 period. The quarry keeps a register of all the incidents that occur during the operations phase.
<b>INCIDENT NO:</b>	
<b>INCIDENT:</b>	
<b>HOW ADDRESSED:</b>	
<b>WHEN ADDRESSED:</b>	

### ADOPTED METHODOLOGY

*(APPENDIX 7 SUB-REGULATION 3(D):*

COMPLIANCE SCORE	DESCRIPTION
1	Task not achieved
2	Task 20% achieved
3	Task 50% achieved
4	Task 80% achieved
5	Task 100% achieved in accordance with the EMP

MITIGATION NEEDED	DESCRIPTION
1	<b>LOW</b> – Mitigation not needed / mitigation measures to be maintained
2	<b>MEDIUM</b> – Mitigation should be considered
3	<b>HIGH</b> – Mitigation compulsory

## ENVIRONMENTAL PERFORMANCE ASSESSMENT BALMORAL QUARRY

### INSPECTION ASPECTS

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
<b>LEGISLATION COMPLIANCE</b>				
National Water Act, (Act No 36 of 1998)	5	-	Compliant	A GA was authorised on 29 September 2014 that expired 28 September 2019, upon which a new GA application was submitted to DWS.
Copy of water use authorisation available on site	5	-	Compliant	-
National Environmental Management Act, 1998 (Act No 107 of 1998) and the Environmental Impact Assessment Regulations, 2014 (as amended 2017)	5	-	Compliant	The EA for the processing area was issued on 24 August 2018.
Copy of the EA and EMPR available on site.	5	-	Compliant	-
Environmental Conservation Act, 1898 (Act 73 of 1989) with particular reference to the requirements of Section 20	5	-	Compliant	-
National Environmental Management: Air Quality Act, 2004 (Act No 39 of 2004)	5	-	Compliant	Fall-out dust monitoring is done on a monthly basis. The latest results complied with the required standards. Please refer to General Report.
National Environmental Management: Biodiversity Act, 2004 (Act No 10 of 2004) (NEM:BA)	5	-	Compliant	-
Conservation of Agricultural Resources Act, 1983 (Act No. 43 of 1983)	5	-	Compliant	-
National Environmental Management: Waste Act, 2008 (Act No 59 of 2008)	5	-	Compliant	-
Occupational Health and Safety Act, 1993 (Act No 85 of 1993)	5	-	Compliant	-

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Hazardous Substances Act, 1973 (Act 15 of 1973)	5	-	Compliant	-
Firebreaks should be established in terms of the requirements and conditions of the National Veld and Forest Fires Act, 1998 (Act 101 of 1998)	5	-	Compliant	Firebreaks are established around the site when applicable.
National Heritage Resources Act No 25 of 1999	5	-	Compliant	-
<b>ASPECTS OF THE AFFECTED ENVIRONMENT</b>				
<b>TOPSOIL MANAGEMENT</b>				
Topsoil stripping	5	-	Compliant	Topsoil was initially stripped. A new area was opened and handled as per the topsoil management.  <b><u>All new stockpiles areas to be opened should be handled as per Topsoil management described in the general section.</u></b>
Topsoil storage (heaps not exceeding 2m)	5	-	Compliant	<ul style="list-style-type: none"> <li>Topsoil stockpiles are to standard and placed on a levelled area to safeguard the piles from being washed away in the event of heavy rains/storm water.</li> <li>Topsoil stockpiles have been sloped.</li> </ul>
Overburden stripped & stockpiled	N/A	N/A	N/A	No overburden needs to be stripped at the processing area.
Topsoil heaps vegetated	3	1	Being addressed	Vegetation established on all the topsoil heaps. Areas with alien vegetation has been noted and needs to be managed.
Stockpiles monitored for erosion, weeds and foreign matter	3	3	Being addressed	Listed invaders present along stockpiles and haul edges. This is a work in progress and site management has measures in place to manage the spreading of the listed weeds/invaser plants that germinated at the mine and that it is being removed on a regular basis. Implement monthly contractor-assisted



DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
				eradication with follow-up within 6 weeks; record species list; dispose per CARA Regs.
Topsoil returned to rehabilitated area	N/A	-	N/A	No rehabilitation has been conducted as mining is still active on site.
<b>VEGETATION</b>				
Protected plants sheltered from mining activities	5	-	Compliant	There are no protected plants within the mining area. The no-go area is adequately managed and were intact at the time of the inspection.
Riparian vegetation protected	5	-	Compliant	-
Aliens & weeds controlled on site	3	3	To be addressed	An alien invasive eradication plan must be implemented
All equipment and vehicles must be cleaned before entering and leaving the site to reduce the chances of spreading weeds and invasive species.	4	1	To be addressed	This is not practical on site and very costly, no vehicles are cleaned before entering the site, management of weed invader plants on site should however be increased.
No collection of firewood allowed	5	-	Compliant	-
<b>FAUNA</b>				
All animals, birds and reptiles protected on site	5	-	Compliant	-
Operational areas daily inspected for signs of trapped animals	5	-	Compliant	-
<b>AIR QUALITY AND NOISE</b>				
Dust suppression implemented	5	-	Compliant	Fall-out dust monitoring is done monthly. The latest results complied with the required standards.
Noise control	5	-	Compliant	-
All activities must be limited to normal working hours (7h00-17h00)	5	-	Compliant	The quarry operates within the allotted timeframe.

<b>ARCHAEOLOGICAL AND CULTURAL INTEREST</b>				
Archaeological and/or cultural remnants protected	<b>5</b>	-	Compliant	The mining operation has to date not uncovered any archaeological and/or cultural remnants.
<b>SURFACE AND GROUND WATER</b>				
Storm water diverted around the stockpiled area and access roads to prevent erosion	5	-	Compliant	Storm water drainage lines were implemented to divert storm water to the quarry and around stockpiles.
Storm water Management Plan implemented on site	4	3	In process	The Storm Water Management Plan (SWMP) is still in development. A trench has been excavated around the plant area, reportedly to deter trespassers; however, it currently directs runoff into an unauthorised silt trap/dam. While this arrangement provides limited incidental stormwater control, it does not constitute a compliant or formally approved SWMP. To ensure legal compliance and effective water management on site, a formal SWMP must be prepared, authorised where required, and fully implemented. The plan should specify stormwater flow management measures, sediment control interventions, and maintenance responsibilities, thereby ensuring that all water-related activities align with the conditions of the applicable authorisations.
Damming up of water in the mining area prevented	5	-	Compliant	Water is being stored in the quarry, this has been authorised by DWS
Mining conducted in accordance with the Best Practice Guidelines for small scale mining	5	-	Compliant	-
Areas with erosion reinstated	5	-	Compliant	-
All soil surface compacted as a result of processing activities must be ripped, and importance materials must be removed.	N/A	N/A	N/A	This will be addressed during the rehabilitation phase.
Any erosions channelled developed during processing period or during vegetation	N/A	N/A	N/A	This will be addressed during the rehabilitation phase.

establishment must be restored to a proper condition.				
Specific areas must be demarcated for filing. And such are must be banded to reduce the possibility of soil and water contamination	5	-	Compliant	All diesel filling areas are banded.
Irrespective of the nature of a spillage (whether major or minor), all spillages must be cleaned up as soon as they occur.	1	3	Non - Compliant	Several hydrocarbon spills were observed on site during the inspection, and a few drip trays were found to be overflowing with accumulated rainwater. In addition, the diesel tank located at the main workshop area appears to be leaking. These issues indicate that hydrocarbon management on site is not being effectively implemented and requires urgent attention to prevent further contamination risks.
Spillage of petrochemical products must be avoided. In the case of accidental spillage, contaminated soil must be removed for bioremediation or disposed of at a facility for the substance concerned. Disturbance land must be rehabilitated and seeded with vegetation seed naturally occurring on site.	1	3	Non - Compliant	
VISUAL EXPOSURE				
Is the contractor implementing good visual and housekeeping standards	3	3	Must be addressed	Overall visual and housekeeping standards on site were found to be below the expected level. Various areas showed signs of poor maintenance and clutter, including hydrocarbon-stained surfaces, disorganised storage zones, and evidence of inadequate spill management. These conditions detract from the overall environmental performance of the operation and indicate that routine housekeeping and site tidiness are not being consistently prioritised. Improved housekeeping practices are required to maintain a clean, orderly, and environmentally compliant working environment.
Height of product stockpiles determined based on visibility of site	5	-	Compliant	The height of the stockpiles is kept between 3 - 5m.
PROCESSING ACTIVITIES				
MANAGEMENT OF FUEL AND HYDROCARBON PRODUCT				
Hazardous material stored within a banded area (110% capacity)	5	-	Compliant	-

Management of fuel and oil spills	1	3	Non - Compliant	The management of fuel and oil on site was found to be inadequate. Multiple hydrocarbon spills were evident during the inspection, with drip trays observed to be overflowing due to accumulated rainwater. Furthermore, the diesel tank at the main workshop area appears to be leaking, contributing to contamination risks. Current controls are insufficient, and the lack of proactive spill prevention and containment measures indicates that fuel and oil management requires significant improvement to ensure compliance and to minimise environmental impact.
Drip trays present when refuelling is done outside the service bay	3	3	Non - Compliant	No refuelling activities were observed during the site inspection; however, numerous hydrocarbon spills were noted across the operational areas. This suggests that the contamination may be primarily linked to leaking vehicles and equipment rather than active refuelling incidents. While drip trays are available on site, their use appears inconsistent, and existing containment measures are insufficient to prevent hydrocarbon leakage to ground. Improved inspection, maintenance, and containment practices are required to minimise ongoing spill risks.
Sump and oil separator operational	4	1	Non - Compliant	The sump at the workshop area has been covered since the previous inspection; however, evidence of leakage was observed during the current audit. This indicates that, although some improvement in containment has been made, the sump and oil separator system are not functioning effectively. The apparent leakage suggests that maintenance or repair is required to ensure proper operation and to prevent further hydrocarbon contamination of surrounding areas.

WASTE MANAGEMENT				
Site free of day-to-day litter	4	1	Non - Compliant	Litter was observed across several areas of the site during the inspection, indicating that routine housekeeping and clean-up activities are not being implemented effectively. This issue was also raised during the previous audit, and no significant improvement has been noted. Poor litter control detracts from the visual standard of the operation and may result in environmental risks if waste is dispersed beyond the operational footprint. Enhanced site-wide litter management through regular inspections, prompt removal of waste, and improved staff awareness is required to achieve and maintain compliance with housekeeping standards.
Mixing of waste prevented	5		Compliant	
General waste must be kept in containers which are wind and scavenger proof. This be disposed of at the permitted landfill site. No temporary dumping and littering of waste are allowed on site.	5		Compliant	
No waste must be disposed of through burying and burning	5	-	Compliant	-
An emergency preparedness plan to address any pollution incidents (such as oil spillages) that occur on site must be developed	5	-	Compliant	-
General waste dumped at a recognised landfill site	5	-	Compliant	Averda removes the general waste from site. Proof of removal is available at the site office.
Hazardous waste removed by a registered waste handling contractor	5	-	Compliant	Averda and Oil X removes the general waste from site. Proof of removal is available at the site office.
Waste disposal permits on site	5	-	Compliant	-
No waste stockpile area allowed outside the boundaries of the mining area	5	-	Compliant	-
Suitable covered receptacles available at all times and conveniently placed for the disposal of waste	5	-	Compliant	-

Integrated waste management approach implemented on site	5	-	Compliant	-
<b>ABLUTION FACILITIES:</b>				
Ablution facilities available on site more than 200m from a watercourse	5	-	Compliant	-
Potable water available on site for use of workers	5	-	Compliant	The mine has permanent ablution facilities.
Effluent water from the camp washing facility disposed of in a French drain, situated more than 200m from a watercourse	5	-	Compliant	Sanitech removes the sewerage from the site.
<b>FIRE MANAGEMENT:</b>				
Fire-fighting equipment available on-site.	5	-	Compliant	-
No open fires at mining site allowed	5	-	Compliant	-
Workers must be adequately trained in the handling of firefighting equipment's	5	-	Compliant	-
Smoking must be prohibited in the vicinity of flammable substances.	5	-	Compliant	Designated smoking areas on site
Cooking and heating fires must be permitted only in designated areas with appropriate safety measures.	5	-	Compliant	Food preparation is only allowed at the site office area.
<b>MINING ACTIVITY / EQUIPMENT MANAGEMENT:</b>				
Mining area demarcated with visible beacons	5	-	Compliant	The boundary of the site is fenced.
Access road maintained	5	-	Compliant	Both the access road and roads within the site are well maintained.
Necessary signage and traffic measures must be implemented for safe and convenient access to the site from adjacent roads	5	-	Compliant	-
Speed limit restriction of 40km/h must be enforced and monitored on site for all vehicles.	5	-	Compliant	-

## BALMORAL QUARRY

All mining earth-moving equipment & vehicles operating within site boundaries preventing crisscrossing	5	-	Compliant	-
Mining equipment mechanically sound without visible oil leaks	3	3	To be addressed	Several pieces of mining and plant equipment were found to have visible oil leaks and hydrocarbon staining during the inspection. This indicates that mechanical maintenance and leak prevention measures are not being effectively implemented. The presence of oil leaks not only suggests potential equipment integrity issues but also contributes to ongoing hydrocarbon contamination risks on site. Immediate attention to equipment maintenance, regular inspections, and prompt repair of leaks are required to ensure compliance with environmental and operational standards.
Vehicle repairs only conducted in service bay area, and waste products disposed of in containers/bins	5	-	Compliant	
Mining equipment serviced regularly to ensure noise emissions are minimized	5	-	Compliant	
<b>EMPLOYEE AND SAFETY MANAGEMENT:</b>				
Workers inducted and informed of EMP conditions	5	-	Compliant	
Proof of training available	5	-	Compliant	
No camping allowed on the mining area	5	-	Compliant	
Workers provided with PPE	5	-	Compliant	
Are there signs present, indicating the mining site and speed restrictions	5	-	Compliant	
Appropriate notification signage erected at the mining site, warning the public about the hazard around the mining site and presence of heavy vehicles and machinery	5	-	Compliant	
Effective access control to prevent unauthorised entry.	5	-	Compliant	

## BALMORAL QUARRY

Hauling routes clearly marked with appropriate signalling.	5	-	Compliant	Beacons have been placed on haul roads.
Site fenced off to control access	5	-	Compliant	Site has access control at the entrance. Security is on guard 24/7.
Potentially hazardous area must be demarcated with danger tape	5	-	Compliant	No danger tape is used on site, but signage indicate the safety requirements of the mining areas.
Appropriate signage must be place to caution employees and contractors not to attempt to enter certain structures without being authorised.	5	-	Compliant	
<b>ENVIRONMENTAL AUTHORISATION CONDITION</b>				
The applicant must appoint an independent ECO who must monitor contractors, compliance with EMP and EA	5	-	Compliant	Greenmined Environmental has been appointed as the ECO on site.
The applicant must provide all contractors and sub-contractors with a copy of the EMPr and EA prior to the commencing of activities	5	-	Compliant	All contractors and subcontracts have access to the EMPr which is available at the site office.
All pre-construction phase mitigation measures as outlined in the EMPr attached in the EIA must be adhered to.	5	-	Compliant	
If soil contamination is noted at any phase of the activities, the contaminated soil must be removed to a licenced waste disposal facility and the site must be rehabilitated to the satisfaction of DMR and DWS. The opportunity for the onsite remediation and re-use of contaminated soil must be investigated prior to the disposal and the Department must be informed in this regard.	5		Compliant	
An emergency response plan should be developed for accidental spills and fire fighting during both construction and operations of the project.	5	-	Compliant	



BALMORAL QUARRY

In the event of an emergency, the holder must notify the department within 24hrs, and contact relevant emergency services in the area	5	-	Compliant	
All significant pollution incidents must be reports to this department within 48h of occurrence	5	-	Compliant	

## BALMORAL (HOWARDS) QUARRY

### **COMMENTS OR COMPLAINTS RECEIVED FROM I&AP'S** **(APPENDIX 7 SUB-REGULATION 3(G) & (J)):**

No Complaints were received during the months of July – September 2025 period.

### **AUDITING OF EA, EMPR AND REPORTING THEREOF** **(REGULATION 34):**

<b>Date of previous EAR/EPA:</b>	January 2024
<b>Proof of submission to DMR available:</b>	The EPA was submitted on January 2024 to the DMRE. Proof of submission of the EPA is available from Greenmined Environmental (Pty) Ltd or B&E International (Pty) Ltd.
<b>EAR/EPA compiled by independent person with environmental auditing expertise:</b>	Compiled by Greenmined Environmental (Pty) Ltd
<b>Potential and registered I&amp;AP's notified within 7 days of the submission date, and report available on publicly accessible website</b>	All documents are publicly assessable at the Balmoral site offices.

BALMORAL QUARRY

**GENERAL REPORT**

The compliance of Balmoral Quarry with the approved Environmental Management Programme (EMPr) was assessed during the September 2025 audit, with the site achieving an overall compliance score of 93.79% for the audit period. While the operation remains largely compliant with key environmental requirements, several areas require focused attention to prevent further deterioration in environmental performance, particularly regarding hydrocarbon control, equipment maintenance, and general housekeeping.

**Dust Monitoring:**

The dust results are indicated below:

**Dust Monitoring:**

The dust results are indicated below:

**9 July – 11 Aug 2025**

- Unit 1 yielded 129 mg/m<sup>2</sup>/day in this period.
- Unit 2 yielded 192 mg/m<sup>2</sup>/day in this period.
- Unit 3 yielded 190 mg/m<sup>2</sup>/day in this period.
- Unit 4 yielded 235 mg/m<sup>2</sup>/day in this period.

**11 Aug - 11 Sept 2025**

- Unit 1 yielded 150 mg/m<sup>2</sup>/day in this period.
- Unit 2 yielded 542 mg/m<sup>2</sup>/day in this period.
- Unit 3 yielded 371 mg/m<sup>2</sup>/day in this period.
- Unit 4 yielded 832 mg/m<sup>2</sup>/day in this period.

All units were compliant for this period

**DOCUMENT CHECKLIST (ENVIRONMENTAL FILE):**

- Unit 1 yielded 129 mg/m<sup>2</sup>/day in this period.

**MATTERS TO BE ADDRESSED:**

**Hydrocarbon Management**

Widespread hydrocarbon spills observed across operational areas require immediate clean-up.

BALMORAL QUARRY

Investigate and repair the leaking diesel tank at the main workshop area.

Ensure all drip trays are regularly emptied, cleaned, and maintained to prevent overflow from rainwater.

Reinforce proper use of drip trays during all refuelling and maintenance activities.

Implement weekly inspections to identify and address leaks or spills promptly.

■ **Vehicle and Equipment Maintenance**

Conduct a full inspection of all mobile equipment and plant for oil leaks.

Repair or service leaking vehicles and machinery to prevent further contamination.

Introduce a preventative maintenance schedule with record-keeping for leak detection and repairs.

■ **Sump and Oil Separator System**

Investigate and repair the leak detected in the sump and oil separator system.

Verify that the system is fully operational and capable of containing and treating hydrocarbons.

Implement a regular maintenance and inspection regime to ensure continued effectiveness.

■ **Housekeeping and Litter Control**

Litter remains prevalent across several site areas; immediate site-wide clean-up is required.

Reinforce daily housekeeping duties and implement a litter patrol schedule.

Increase staff awareness on waste management and environmental responsibilities.

Ensure all waste is disposed of appropriately and not allowed to accumulate near operational areas.

■ **Storm Water Management**

Finalise and implement the Storm Water Management Plan (SWMP) to ensure compliance with legal and authorisation requirements.

Link the existing trench and silt trap as part of an integrated, authorised stormwater control system.

Clearly define stormwater flow paths, sediment control measures, and maintenance responsibilities within the SWMP.

■ **Invasive Plant Control**

Continue active removal of listed invasive plant species along stockpiles and haul roads.

Implement monthly contractor-assisted eradication with follow-up within six weeks.

Maintain a species list for monitoring and ensure disposal of plant material in accordance with CARA Regulations.

**ABILITY OF EMPR TO ADEQUATELY MANAGE OR MITIGATE ENVIRONMENTAL IMPACTS**  
**(APPENDIX 7 SUB-REGULATION 3€:**

It is believed that the EMPR currently adequately manage and/or mitigate environmental impacts at the mining area.

BALMORAL QUARRY


**NEED FOR AMENDMENT OF THE EMPR:**

The previous ECO report noted that the EMPR needs to be amended as the site operates on a 24-hour basis. At the time of the inspection, the site no longer worked 24 hours and in light of this, there is no longer a need to amend the EMPR.

**FINANCIAL PROVISION:**

The previous calculations were undertaken by Greenmined Environmental (Pty) Ltd in 2024, and the financial provision value for the rehabilitation of the earmarked area was in the sum of R 6 023 896,64. The EA holder has financial guarantee to the value of R 8 352 330,20 lodged with the DMRE. This amount does not exceed the value of financial guarantee in place at the DMRE, and the EA holder therefore does not have to provide a shortfall.

**ECO SIGNATURE**

NAME:	SIGNATURE:	DATE:
Sonette Smit		11 September 2025

**PHOTOGRAPHS**

**SITE ENTRANCE AND WEIGHBRIDGE**



**FIRE EXTINGUISHERS VISIBLE AND SERVICED**



**ABLUTION FACILITIES**





BALMORAL QUARRY

**DIESEL STORAGE**



**SCRAP METAL**



**MAIN WORKSHOP**



**WORKSHOP AREA AT THE PLANT**



**WEEDS VISIBLE ON SITE**





BALMORAL QUARRY



PROCESSING AREA





BALMORAL QUARRY

**WASTE MANAGEMENT**



**WASTE INCORRECTLY DISPOSED**



**LITTER FOUND ON SITE**





BALMORAL QUARRY

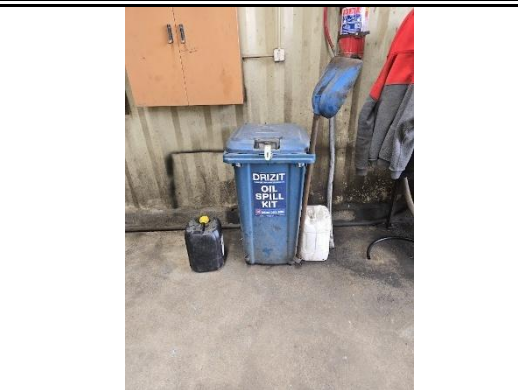


HYDROCARBONS STORED IN A CAGE – NOT BUNDED



OIL STORE

OIL SPILL KIT





BALMORAL QUARRY

HYDROCARBON SPILLS THAT MUST BE REMOVED





BALMORAL QUARRY



WASHBAY

VEHICLE NOT BEING WASHED IN WASHBAY



MISMANAGEMENT OF DRIP TRAYS





BALMORAL QUARRY

**OIL SPILL SUMP WITH WATER TANK**



**UNAUTHORISED TRENCH AND DAM AT PLANT AREA**



**DIESEL STORAGE AT PLANT AREA**



**WATER TANK AT PLANT AREA**



**LINED AREAS FOR MINOR SERVICES**



**STOCKPILES**



BALMORAL QUARRY

#### 4. ASSESSMENT SUMMARY

##### GENERAL REPORT

The overall site compliance score for Balmoral Quarry was calculated at 98.9%. Please refer to figure and breakdown below:

- The site has 99.38% compliance in accordance with the EMPr for the Mining Right.
- The site has 98.1% compliance in accordance with the EMPr for the EA for the processing plant.

##### SUMMARY OF MATTERS TO BE ADDRESSED:


##### 1. ENVIRONMENTAL AUDIT REPORT – MR

- Instances of hydrocarbon spills were noted on site. Enhancing protocols for waste management and spill response procedures will be crucial to maintaining the site's integrity and ensuring a safe environment for both workers and visitors.
- Weeds are still found on site. This is a work in progress and site management has measures in place to manage the spreading of the listed weeds/invader plants that germinated at the mine and that it is being removed on a regular basis.

##### 2. ENVIRONMENTAL AUDIT REPORT – EA

- The weeds/invader plant species must be removed from site.
- The hydrocarbon spills must be cleaned from site.
- Litter to be removed from site.

#### 5. SIGNATURE OF AUTHOR

NAME:	SIGNATURE:	DATE:
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