

# **MTHATHA QUARRY PORTION OF ADMINISTRATIVE AREA NO 11 CALLED ZITATELE, MTHATHA, EASTERN CAPE PROVINCE**

## **ENVIRONMENTAL PERFORMANCE ASSESSMENT / ENVIRONMENTAL AUDIT REPORT**

<b>DMRE REFERENCE NUMBER:</b>	<b>EC 30/5/1/2/2/0135 MR</b>
<b>AUDIT PERIOD:</b>	<b>May 2024 – May 2025</b>

**PREPARED FOR:**

Transkei Quarries (Pty) Ltd (Mtatha Quarry)  
Contact Person: Mr A Leeuw  
Tel: 047 532 7962  
Cell: 082 823 7160

Postal Address:  
P.O. Box 886  
Mthatha  
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**PREPARED BY:**

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## 1. PROJECT SPECIFIC DETAIL

ITEM	MINING RIGHT HOLDER
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Cell Number	082 823 7160
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ITEM	CONSULTANT DETAIL
Company Name	Greenmined Environmental (Pty) Ltd
Contact Person	Christine Fouché
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Cell Number	082 811 8514
E-mail Address	<a href="mailto:Christine.f@greenmined.co.za">Christine.f@greenmined.co.za</a>
Postal Address	Postnet Suite 62 Private Bag x15 Somerset West 7129

ITEM	LOCATION AND AREA INFORMATION
Site Name	Mthatha Quarry
Property Description	Portion of Administrative Area No 11 called Zitatele
Location	Mthatha Quarry is situated ±5 km north-east of Mthatha central. Access to the mine is directly off the N2 highway through the village of Ngolo.
Size of Mining Area	48.7446 ha

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## **2. ENVIRONMENTAL AUDIT REPORT**

### **PROJECT DETAIL**

<b>Right Number:</b>	EC 30/5/1/2/2/0135 MR	<b>Date of Commencement:</b>	November 2009
<b>Site Name:</b>	Mthatha Quarry	<b>Inspection Date:</b>	23 May 2025
<b>Right Holder:</b>	Transkei Quarries (Pty) Ltd	<b>Other Authorisations:</b>	Water Use Authorisation: 28096792
<b>Report Number:</b>	03		

### **DETAIL OF AUDITOR**

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

<b>ECO:</b>	Christine Fouché
<b>EXPERTISE:</b>	Ms Fouche has a Diploma in Nature Conservation and a BSc in Botany and Zoology with eighteen years experience in environmental impact assessments and compliance monitoring in South Africa. Ms Fouché is a registered Environmental Assessment Practitioner (registration no: 2019/1003) with EAPASA (Environmental Assessment Practitioners Association of South Africa).
<b>DECLARATION OF INDEPENDENCE:</b>	<p>I, Christine Fouché, 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 (as amended).</li> </ul> <p align="center"><i>Christine Fouché</i></p> <p align="right">Date: 30 May 2025</p>

**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). The EAR focussed on Section 6 Environmental Management Programme of the EMPR (November 2008).

**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 and Energy. To evaluate the effectiveness of the EMPR, identify shortcomings, and discern the need for changes to the EMPR.

**INSPECTED AREAS:**

The inspection included an assessment of the following areas:


- Offices, storage areas, and supporting infrastructure,
- Diesel storage,
- Workshop and wash bay,
- Salvage yard,
- Plant and stockpile areas;
- Quarry pit,
- Graves and monument,
- East Coast Asphalt Yard, and
- Scribante Readymix Yard.

To establish the environmental compliance assessment of the operation, the mine was inspected by the Environmental Control Officer, Christine Fouché, of Greenmined Environmental accompanied by site management.

**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 provided by site management. The findings of the previous environmental performance assessment (2024) were also considered. This audit did not consider health and safety aspects, was not intended as a legal assessment, nor was the aspects of the Social and Labour Plan and/or Mine Works Programme reviewed.

## LOCATION

Site Location:	Mthatha Quarry is situated ±5 km north-east of Mthatha central along the N2 when driving through the village of Ngolo.		
Site Map:			
Site Coordinates:	A	31°33'15.58"	28°50'07.67"
	B	31°33'20.13"	28°50'23.18"
	C	31°33'18.65"	28°50'27.38"
	D	31°33'11.38"	28°50'25.34"
	E	31°33'12.10"	28°50'29.58"
	F	31°33'06.54"	28°50'33.75"
	G	31°33'12.62"	28°50'38.11"
	H	31°33'45.07"	28°50'27.53"
	J	31°33'42.64"	28°50'12.06"
	K	31°33'29.14"	28°50'18.86"
	L	31°33'26.09"	28°50'11.02"
	M	31°33'24.07"	28°50'11.33"
	N	31°33'21.03"	28°50'01.23"

### **PROJECT DESCRIPTION**

Dolerite is mined using conventional drilling, blasting, and bench-mining methods, with loosened material loaded to haul trucks and transported to the processing plant. The material goes through several crushers and screens to produce different sized aggregates and sand for the ready-mix, construction and road building industry.

### **SITE CONDITIONS**

Sunny, windless day with dry soil conditions.

### **REPORTABLE ENVIRONMENTAL INCIDENTS**

<b>Incident Date:</b>	The quarry has an online system where all accidents and incidents are logged. No major incidents occurred during the audit period that had to be reported to the DMRE.
<b>Incident No:</b>	
<b>Incident:</b>	
<b>How addressed:</b>	
<b>When addressed:</b>	

### **ADOPTED METHODOLOGY** **(APPENDIX 7 SUB-REGULATION 3(D):**

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

<b>NON-COMPLIANCE SCORE</b>	<b>DESCRIPTION</b>
<b>1</b>	<b>LOW</b> – Mitigation not needed / mitigation measures to be maintained
<b>2</b>	<b>MEDIUM</b> – Mitigation should be considered
<b>3</b>	<b>HIGH</b> – Mitigation compulsory

**INSPECTION ASPECTS**

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
<b>LEGISLATION COMPLIANCE:</b>				
National Environmental Management Act, 1998 (Act No 107 of 1998) and the Environmental Impact Assessment Regulations, 2014 (as amended)	5	-	Compliant	<ul style="list-style-type: none"> <li>The competent authority deems the approved EMPR and MR of the quarry compatible with an Environmental Authorisation in terms of NEMA, 1998 and the EIA Regulations, 2014 (as amended).</li> <li>A Section 102 amendment application in terms of the MPRDA was submitted to the DMRE in October 2024 and accepted in April 2025. The application is to extend the mining footprint and include the sections where mining historically exceeded the boundary. The application is pending authorisation.</li> </ul>
Copy of the EA available on site	N/A	-	-	
Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002)	4	3	Being Addressed	
Mining right available on site	5	-	Compliant	-
Mine plan annually reviewed	5	-	Compliant	The mine plan was reviewed in February 2025.
National Environmental Management: Air Quality Act, 2004 (Act No 39 of 2004)	5	-	Compliant	<ul style="list-style-type: none"> <li>Although the mining activities do not require an air emissions licence, the requirements of the NEM:AQA are considered on site.</li> <li>The NEM:AQA legal requirements for the sub-contractors, East Coast Asphalt (ECA) and Scribante Readymix (SR), were not assessed as part of this audit.</li> </ul>
National Environmental Management: Waste Act, 2008 (Act No 59 of 2008)	4	3	To be addressed	<ul style="list-style-type: none"> <li>The waste of the quarry is managed in accordance with the requirements of the NEM:WA.</li> <li>Although waste management improved at the ECA yard since 2024, the waste management practices of SR is still mainly non-compliant. Both entities must keep proof of safe disposal of all the waste removed from site, and the proof must be available for auditing purposes.</li> </ul>
National Water Act, 1998 (Act 36 of 1998)	3	3	To be addressed	<ul style="list-style-type: none"> <li>The Quarry has an approved Water Use Authorisation that allows the abstraction of water from the quarry pit.</li> </ul>

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DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
				<ul style="list-style-type: none"> <li>The Quarry does however have other water uses that require authorisation from DWS.</li> <li>The NWA legal requirements for the sub-contractors, ECA and SR, were not assessed as part of this audit, but must be considered when the water uses of the Quarry is reviewed.</li> </ul>
National Environmental Management: Biodiversity Act, 2004 (Act No 10 of 2004) (NEM:BA)	3	3	Ongoing	<ul style="list-style-type: none"> <li>Mthatha Quarry has an Alien Invasive Species Management Plan as well as an Alien Invasive Management Action Plan. The action plan divides the mining area into 17 sections that are progressively cleaned. Problem plants were mainly removed from the berms at and around the salvage yard and workshop/offices.</li> <li>The cleaning of invasive plant species from the ECA and SR yards must be intensified.</li> </ul>
<b>GENERAL REQUIREMENTS (EMPR PG 30)</b>				
Mining area demarcated with beacons	5	-	Compliant	The western side of the quarry is demarcated with beacons. The northern and eastern sides border the river, and the north-western boundary is fenced.
Working hours restricted to 07:00 – 17:00 Mon-Fri, 07:00-13:00 Sat, excl public holidays.	1	3	To be addressed	Presently the Quarry operates in two shifts from 07:00 - 17:00, and 17:00 – 04:00. This is in contradiction with the work hours stipulated in the EMPR, however, it is proposed that this condition be reviewed during the Section 102 amendment process and subsequent review of the EMPR.
<b>TOPSOIL (EMPR PG 31):</b>				
Topsoil removed from all areas where physical disturbance occur.	1	3	Management to be intensified in future	When extending the south-western corner of the quarry pit, the topsoil and overburden was mixed and used in the shaping (rehabilitation) of the south-eastern berm of the pit. See <i>General Report</i> .

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DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Topsoil stockpiles on high ground inside mining boundary outside the 1:50 flood level.	4	1	Being addressed	The topsoil heap of the mine is outside the mining boundary but on the high ground and outside the 1:50 year flood level. See <i>General Report</i> .
Topsoil kept separate from overburden and not used for building or road maintenance.	1	3	Management to be	Refer to earlier comment regarding the use of topsoil with overburden.
Topsoil protected from wind- or surface run-off erosion.	3	3	intensified in future	All topsoil must be protected on site.
ACCESS TO THE SITE (EMPR PG 31):				
Access via the existing road leading between the N2 and the Mthatha Quarry security entrance.	5	-	Compliant	All mining related vehicles access the Quarry via the approved road.
Security access gate manned permanently.	5	-	Compliant	-
No other roads used to gain access to the quarry.	3	3	To be addressed	A community road crosses the north-eastern portion of the mining area. Although this road is used solely by local residents as a shortcut and not by mining-related vehicles, its presence has led to issues such as the unauthorised crossing of the Kangisa and Korana rivers. It is recommended that this matter be addressed in consultation with the specialist reviewing the mine's water uses.
Roads adequately maintained to minimise dust, erosion, or surface damage.	5	-	Compliant	-
Liberation of dust effectively controlled (water spraying, speed)	5	-	Compliant	<ul style="list-style-type: none"><li>Mthatha Quarry has a dust suppression contractor that do daily dust suppression at the mine.</li><li>Dust suppression at the ECA and SR sites improved since the previous audit.</li></ul>
VEHICLE MAINTENANCE AND SECURED STORAGE AREA (EMPR PG 32):				
Responsibility of vehicle maintenance and secured storage area was sub-consulted to Bell Equipment.	5	-	Compliant	Applicable to the Quarry equipment/vehicles.

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DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Workshop and maintenance areas kept clean, and spillages properly cleaned.	4	3	To be addressed	<ul style="list-style-type: none"> <li>The workshop and maintenance areas at the Quarry are well managed.</li> <li>The management of the ECA yard greatly improved since the 2024 audit, although some spills were still noted and the management of chemical storage should be improved.</li> <li>At SR the management and maintenance of the yard need to be improved.</li> </ul>
Storage area securely fenced and hazardous substances and stocks stored therein. Drip pans, concrete slab or impervious lining installed in storage areas to prevent soil and water pollution.	3	3	To be addressed	<ul style="list-style-type: none"> <li>Mthatha Quarry improved some of the storage areas, and bund walls during the audit period. Drip trays were in use on the day of the audit. Some of the bunds need additional work to prevent spillages leaking from it, and the layout of the oil sump will be further improved.</li> <li>At the ECA yard the management of the storage areas improved since the previous audit. See General Report.</li> <li>The storage of hazardous substances was non-compliant at the SR yard.</li> </ul>
No vehicles extensively repaired in the maintenance yard or off-site.	5	-	Compliant	-
<b>MAINTENANCE OF VEHICLES AND EQUIPMENT (EMPR PG 32):</b>				
Maintenance of vehicles and equipment only done in the maintenance yard or off-site.	5	-	Compliant	This was true at the Quarry during the audit.
Mining equipment adequately maintained to prevent spills.	5	-	Compliant	
Hydrocarbon tanks bunded and the service area provided with a concrete slab with a sump for hydrocarbon collection.	3	3	To be addressed	Some of the bunds at the Quarry, ECA and SR yards need additional work.
Mining machinery or equipment do not constitute a pollution hazard.	5	-	Compliant	This appeared true at the time of the audit (at the Quarry).

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DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
<b>WASTE DISPOSAL (EMPR PG 33):</b>				
Suitable covered receptacles always available and conveniently placed for the disposal of waste.	4	3	To be addressed	Although the Quarry has suitable covered bins available for waste disposal, this matter is non-compliant at especially the SR yard.
Receptacles containing hydrocarbons stored in a bunded area.	3	3	To be addressed	<ul style="list-style-type: none"> <li>All bunded areas must be sealed at the Quarry, ECA, and SR, and all receptacles containing hydrocarbons must be kept inside the bunds.</li> <li>SR did not have proof of safe disposal of hazardous waste on the day of the audit.</li> <li>Spills were noted at the ECA, and SR yards that were not immediately cleaned.</li> </ul>
Used oils, grease, hydraulic fluids placed in hazardous receptacles and removed to a licenced disposal facility.	3	3	To be addressed	
Spills cleaned up immediately.	4	3	To be addressed	
Entire mining area subject to a monthly cleanup with specific attention to year end closure.	4	3	To be addressed	The ECA and SR sites must also be subjected to this condition.
On completion: all areas cleared of contaminated soil that is removed to a licenced waste disposal facility.	N/A	-	-	Not yet applicable as the Quarry is still operational.
All buildings, structures or objects at the vehicle maintenance yard and secured storage areas delt with in accordance with Section 44 of the MPRDA.	N/A	-	-	
Surface ripped or ploughed to a depth of 200 mm and topsoil spread evenly to its original depth.	N/A	-	-	
Site seeded with a vegetation mix adapted to reflect the local grassy vegetation.	N/A	-	-	

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DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
<b>OPERATING PROCEDURES IN THE MINING AREA (EMPR PG 34):</b>				
Mining only taking place within the approved demarcated mining area.	1	3	Being addressed	Refer to earlier comment regarding the pending S102 amendment application with the DMRE.
<p>Restrictions on the potential impact on nearby drainage channels managed throughout the mining process to recommendations contained in the EMPR:</p> <ul style="list-style-type: none"> <li>Berm structure in place between the river channel and the mine excavation.</li> <li>Mining related debris scattered in the drainage channels removed.</li> <li>No pumping of water into the river system allowed without DWS authorisation.</li> <li>Suitable silt trap/pond constructed in a low-lying area to collect surface run-off.</li> <li>Concrete wall constructed <math>\pm 1</math> m high around the lowermost perimeter of the crusher, from the stockpile area in the west to the confluence of the two drainage systems and southwards beyond the existing excavations.</li> <li>Lowest position of the wall constructed with a spillway.</li> <li>Stormwater infrastructure indicated on the layout plans.</li> </ul>	2	3	To be addressed	<ul style="list-style-type: none"> <li>Berms have been installed along the reach of the river that borders the mining operations. Sediment traps of gabion rock were added at strategic points in the berms to filter sediment from the stormwater that drains into the river. It is important that the berms are maintained and may not be breached when water accumulates on-site as was the case at the SR yard on the day of the audit.</li> <li>The debris cannot be removed from the drainage channels without causing major environmental impacts. It is proposed that this condition be reconsidered when the EMPR is reviewed.</li> <li>The water being released into the river must still be authorised by DWS.</li> <li>The crossings through the Korana and Kangisa rivers must be authorised by the DWS.</li> <li>The addition of a silt trap/pond, and concrete wall at the plant is no longer deemed applicable to this site and should be removed when the EMPR is updated.</li> <li>A site specific stormwater management plan must be compiled.</li> </ul>
Watering applied to minimise the effect of dust generation, and noise kept within reason.	5	-	Compliant	-
No workers allowed to damage or collect indigenous plants or snare animals.	5	-	Compliant	-

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DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Grass and vegetation re-established on completion of mining activities.	N/A	-	-	No rehabilitated areas had to be seeded yet.
No firewood collected on site, and fires prohibited.	5	-	Compliant	-
<b>EXCAVATIONS (EMPR PG 34):</b>				
Topsoil handled as described in the EMPR.	1	3	Management to be intensified in future	See earlier comment regarding topsoil handling.
Excavations only taking place within the approved demarcated mining area as per phased mining approach.	1	3	Being addressed	See earlier comment regarding the S102 application pending at DMRE.
Excavations made good as per the requirements of the EMPR with precision blasting implemented to meet the desired post-quarrying topography.	5	-	Compliant	Blasting at the quarry takes place in accordance with the requirements of the rock engineer.
<b>PROCESSING AREAS AND WASTE PILES (EMPR PG 35):</b>				
Quarry personnel accommodated off-site, and no overnighting allowed apart from the security staff.	5	-	Compliant	-
Field personnel have sufficient kitchen and sanitary facilities during working hours.	5	-	Compliant	-
Toilets provided and situated in an area where no negative impact occurs.	5	-	Compliant	-
Clean water available to workers.	5	-	Compliant	-
Rivers and groundwater not impacted negatively.	3	3	To be addressed	<ul style="list-style-type: none"> <li>As mentioned earlier, the stormwater berms at SR may not be breached to allow the direct draining of runoff water into the river/streams. The crossings through the rivers must also be authorised by the DWS.</li> </ul>

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DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
				<ul style="list-style-type: none"><li>The spillages at the ECA and SR sites do/may have a negative impact on the surface- and/or groundwater in the surroundings.</li></ul>
No natural vegetation unnecessarily disturbed in and around the quarry site.	5	-	Compliant	-
Mining area and surrounds always kept neat and tidy.	4	3	To be addressed	The management of the ECA yard improved, and the Quarry was neatly managed on the day of the inspection. However, the SR yard needs attention.
Processing area and waste piles established within a clearly demarcated area to the west/north of the mining area.	5	-	Compliant	The processing plant is north of the quarry pit and indicated on the mine plans.
Dust suppressors added to the crushing plant and the stockpile area.	5	-	Compliant	-
Dust and silt filtered out by the geotextile filter periodically cleaned and mixed with crusher dust to be sold.	5	-	Compliant	-
On completion: Surface of the processing area scarified to a depth of at least 200 mm and graded to an even surface and previously stored topsoil returned.	N/A	-	-	Not applicable yet.
Rehabilitated area seeded with indigenous seed mix. Fertilisers avoided.	N/A	-	-	
FINAL REHABILITATION – LAND FORMING (EMPR PG 37):				
Cliff sections not exceeding 10 m in height, and bench sections 8 m or wider.	N/A	-	-	Mthatha Quarry did not yet enter the Final Rehabilitation phase.
Upper face blasted to a gradient of 1:3 down to a depth of ±7 m below surface.	N/A	-	-	
Precision blasted face to a gradient of not steeper than 1:2 for the second bench.	N/A	-	-	

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DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Precision blasted 3 <sup>rd</sup> face to a gradient of not steeper than 1:1.	N/A	-	-	
Bench width for the top 3 benches not less than 8 m.	N/A	-	-	
3 m wide bench levels between each 10 m cliff face down to the floor to the quarry.	N/A	-	-	
Post-quarry landscape not prone to erosion at an unacceptable rate.	N/A	-	-	
FINAL REHABILITATION – TOPSOIL AND SUBSOIL REPLACEMENT (EMPR PG 37):				
Stripped overburden backfilled into the worked out areas and used to soften quarry slopes.	N/A	-	-	Mthatha Quarry did not yet enter the Final Rehabilitation phase.
Topsoil spread over the re-profiled areas.	N/A	-	-	
Prepared surfaces seeded with a suitable grass species.	N/A	-	-	
MONITORING AND REPORTING (EMPR PG 39):				
Regular monitoring of all environmental management measures and components carried out by the holder.	5	-	Compliant	<ul style="list-style-type: none"><li>Mthatha Quarry is regularly audited by ASPASA and the mine reports annually to the DMRE on the environmental performance of the quarry.</li><li>Mine management assists the ECA and SR sites to monitor their environmental management measures and components.</li></ul>
Annual environmental audit carried out by an independent ECO and submitted to DMRE.	5	-	Compliant	The previous environmental audit was carried out by Greenmined Environmental in May 2024, and the report was submitted to the DMRE on 09 July 2025.
Performance assessment report submitted to the DMRE after each audit.	5	-	Compliant	
Changes to the mining process documented and the necessary changes recorded to facilitate future mining operations and audit investigations.	5	-	Compliant	The changes applicable to the Quarry operations will be incorporated into the S102 amendment application and associated review of the EMPR.

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DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Adherence to the impacts associated with dolerite quarrying as outlined in the EMPR addressed during the annual audit.	5	-	Compliance	The impacts associated with the mining operations are addressed in the annual audits.
Inspections and monitoring carried out on both the implementation of the programme and the impact on plant and animal life.	5	-	Compliance	-
EMP revised at least every five years.	1	3	Being addressed	The review of the EMPR forms part of the S102 amendment application pending at the DMRE.
Emergency or unforeseen impact reported to the DMRE within 14 days of event noticed.	5	-	Compliant	When applicable.
Community complaints register kept in the office, and complaints addressed as far as possible.	5	-	Compliant	The mine has a complaints box, and the CLO address community complaints.
Annual surface and groundwater quality monitoring	3	3	To be addressed	The quarry does annual surface water quality monitoring, but no groundwater monitoring are being done. This condition should be reviewed when the EMPR and water uses of the mine are re-assessed.
Noise and air quality monitoring	5	-	Compliant	EEC is responsible for the noise and air quality monitoring.
Blast monitoring	5	-	Compliant	The blasting contractor of the mine is responsible for the blast monitoring.

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

The Quarry has a complaints box where all complaints can be lodged. According to site management no formal comments were received during the audit period.

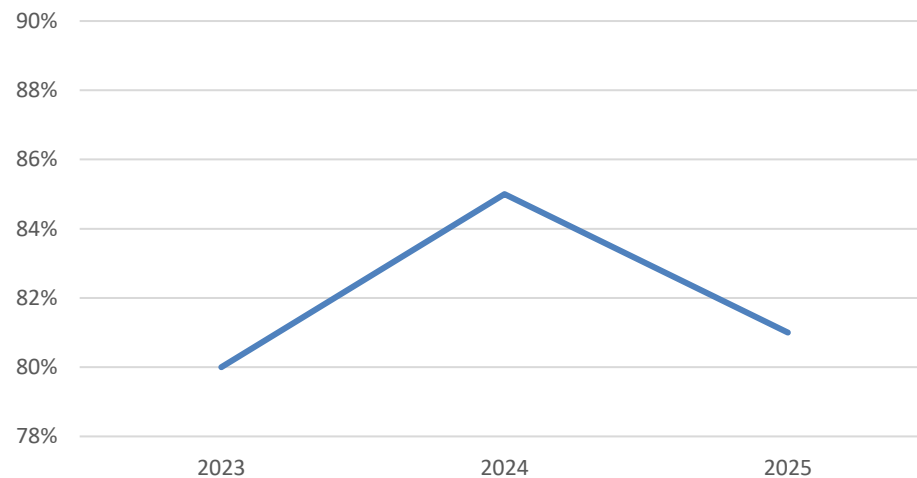
**AUDITING OF EA, EMPR AND REPORTING THEREOF  
(REGULATION 34):**

<b>Date of previous EAR/EPA:</b>	July 2024
<b>Proof of submission to DMRE available:</b>	The EPA was submitted to the DMRE on 09 July 2025 and proof of submission is available at the site office.
<b>EAR/EPA compiled by independent person with environmental auditing expertise:</b>	The 2025 EPA was 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>	The holder of the mining right (Transkei Quarries (Pty) Ltd) must, within 7 days of submission, notify all potential and registered I&AP's of the submission of the report. The report will also be placed on the publicly accessible Greenmined website.

**GENERAL REPORT**

Compliance of the mining site with the EMPR (2008) was reviewed during the site assessment. The mining area recorded a compliance score of 81% for the audit period.

**Mthatha Quarry Compliance Record**



## **MTHATHA QUARRY**

### **Section 102 Amendment Application and Heritage Sites**

As mentioned earlier, the mine submitted a Section 102 amendment application in terms of the MPRDA to expand the mining footprint. The application was accepted and is pending with the DMRE.

The monument previously located near the western edge of the quarry pit was relocated to a safe area in consultation with the community. Discussions with the community and affected family members are ongoing regarding the potential relocation of graves that may fall within the future mining footprint, pending approval of the Section 102 application. The heritage specialist appointed to this matter must guide the Quarry to ensure full compliance with all applicable legislation.

### **Storage of Hazardous Substances and/or Chemicals**

The Quarry continued improving various bund walls in the vicinity of the workshop and storage areas. As previously discussed, all bunds must be properly sealed, and no open drains or cracks may be present in the bund walls. The bund surrounding the generator located behind the ablution facilities still requires sealing, and the oil sump within the used oil tank bund must be redesigned to prevent oil from the primary tank flowing into adjacent tanks. The pipe leading to the oil sump must be fitted with a sieve or mesh to prevent frogs and other small animals from entering the sump, where they may become trapped and unable to escape.

Water draining from the diesel tank's bunded area into the adjacent concrete extension/pit must be carefully managed. This water must not be allowed to discharge into the surrounding environment, nor may it be used for dust suppression, as it could be contaminated with hydrocarbons. It may, however, be disposed of into the oil sump.

On the day of the audit, the mine was in the process of decommissioning the old septic tank pit and increasing the capacity of the wash bay's oil sump.

### **Waste Handling**

Since the 2024 audit, equipment at the salvage yard that posed a risk of hydrocarbon spills has either been removed or placed within bunded areas. Significant quantities of materials, structures, and waste have also been cleared from the salvage yard, and general maintenance of the area has improved noticeably since the previous audit.

Ingvali Waste Management Solutions is responsible for removing recyclable waste from the quarry, including plastic bottles, aluminium, cardboard boxes, and other plastics. Proof of collection and disposal is available on site.

The registration documents for all waste service providers, namely Lilliz Hiring Services, Ramatini Service Agents, and Glons, must still be obtained and filed for record-keeping and compliance purposes.

### **Alien Invasive Species**

As mentioned earlier, the service provider of the Quarry continues with the removal of problem plants. The service provider uses machinery to clear most of the plants, upon which general labourers manually remove the remaining plants. Wood from the cleared plants is donated to the community. As discussed, it is proposed that the cleared areas be sown with indigenous grass species to minimise the denuded areas and lessen the re-occurrence of problem species. The use of herbicides, to lessen re-growth of especially *Lantana* must also be considered by the mine.

The action plan of the Quarry must be updated, and the register must show where the problem plants are being removed from.

### **Topsoil and Rehabilitation Matters**

The quarry pit expanded into the south-western corner of the mining area. As previously noted, the topsoil from this newly opened section was used, along with the subsequent overburden, to shape the slope of the bench along the eastern side of the pit. Management indicated that the topsoil could not be stockpiled, as the existing topsoil stockpile lies outside the approved mining boundaries, leaving no available space for separate stockpiling.

It must be noted that when soil is used for rehabilitation, it must be applied in the correct sequence, with the topsoil spread as the final layer on the surface. Under no circumstances may topsoil be buried, sold, or mixed with other soil layers.

The area being rehabilitated is  $\pm 0.5$  ha and is intended to improve the integrity of the haul road bordering the excavation.

### **Water Related Matters**

The site must compile a site specific stormwater management plan and ensure all water uses are compliant with the NWA requirements.

During the audit period, the Quarry purchased JOJO tanks, which were placed near the homes of the community surrounding the mining area. The Quarry sources drinking water from the municipality to fill these tanks, thereby supplying potable water to the community.

Due to periodic municipal water shortages, the Quarry had pit water tested to assess its suitability for use as drinking water. Unfortunately, the test results indicated that the water is not safe for consumption without prior

treatment. The results revealed elevated nitrate levels in the pit water, and it is therefore recommended that appropriate rectification measures be implemented before any use.

In addition, water samples must be collected from the river both upstream and downstream of the mine to monitor potential impacts. The water in the oil sump must also be tested for the presence of hydrocarbons to ensure compliance with environmental standards.

### **EAST COAST ASPHALT (ECA)**

As previously mentioned, ECA was in the process of renovating several tanks and their associated bunded areas on the day of the audit. The roof of the generator storage area had been replaced, and repairs to the bund wall are planned. The site was also able to provide proof that general waste is being removed by an appointed service provider.

The site continues to recycle used oil, bitumen spills, and discarded asphalt in the production of new asphalt. As a result, there is currently no contaminated soil requiring disposal at a landfill. However, copies of the registration certificates for all waste handling service providers must be obtained and kept on site for compliance purposes.

All remaining drums currently stored outside of bunded areas must be relocated into appropriate bunds, and any associated spills must be thoroughly cleaned. Management must also ensure that no general waste or plastics are disposed of in the skip designated for scrap metal storage.

In addition, the invasive/problematic plants growing on the berms surrounding the site must be removed and subject to ongoing control measures.

### **SCRIBANTE READYMIX (SR)**

On the day of the audit, several recurring concerns were observed on site. The bund walls had still not been sealed, and all bunds must be able to contain at least 110% of the volume of the liquid stored within them. While the used oil tank has been placed within a bunded area since the 2024 audit, the bin used for storing oil filters was found to be leaking, resulting in hydrocarbon spills. The generator remains unbunded, and the diesel tank bund still requires sealing and verification that it meets the 110% capacity requirement.

The oil storage area located beneath the offices has not yet been bunded. The current container floor permits spills to seep into the underlying soil, posing a risk of contamination. The overall management of the oil store must be improved. Additionally, the oil trap at the service pit—an outstanding issue since the 2023 audit—must be connected to an oil sump or containment tank and may not discharge into the surrounding environment. Any spills in this area must be cleaned immediately, and contaminated soil must be treated and disposed of as hazardous waste.

In 2024, ECA appointed a service provider to remove general waste to the municipal landfill site; however, no proof of waste removal was available on the day of the audit. The mixing of general and hazardous waste must be strictly avoided, and all waste drums must be clearly demarcated for either General Waste or Hazardous Waste. Litter observed between the offices and the fence line must also be removed.

As discussed during the audit, wash water may not be allowed to drain from the yard into the river. The stormwater berm must be repaired to ensure containment, and water must be retained in a designated area, where it can either be reused or left to evaporate. Contaminated water may not be discharged into the river or adjacent mining area under any circumstances.

**DOCUMENT CHECKLIST – MTHATHA QUARRY**

■ Alien Invasive Species Management Plan, Action Plan & Register	-	Present
■ Approved EMPR	-	Present
■ Blasting Procedure	-	Present
■ Complaints Register / Box	-	Present
■ CoP: Airborne Pollution	-	Present
■ Environmental Assessment Report (2023)	-	Present
■ Environmental Awareness Training	-	Present
■ Financial provision (2023)	-	Present
■ Heritage Impact Assessment	-	To be filed on site
■ Incidents register / Flash Reports	-	Present
■ Material Safety Data Sheets	-	Present
■ Mine Plan (2024)	-	Present
■ Mine works program	-	Present
■ Mining right	-	Present
■ Prestart Checklist	-	Present
■ Proof of waste removal	-	Present
■ Section 102 Acceptance Letter	-	Present
■ Social and labour plan	-	Present
■ Stormwater Management Plan	-	To be developed
■ Waste service providers certification	-	Outstanding service provider's registration certificates to be obtained
■ Water Use Authorisation	-	Present
■ Monitoring results	-	Dust Monitoring (Present) Noise monitoring (Present) Water Monitoring (Present) Blast Monitoring (Present)

**MATTERS TO BE ADDRESSED – MTHATHA QUARRY**

1. Continue with the Section 102 amendment application regarding the expansion of the mining footprint;
2. Update the EMPR;
3. Obtain approval from DWS for all water related matters on site;
4. Continue with the clearing of problem plants from the mining area and consider the use of herbicides to combat Lantana;
5. Stockpile topsoil separately and only use as the top layer on rehabilitated areas;
6. Complete and seal all bund walls and prevent the spraying (for dust suppression) of contaminated water from the bunds;
7. Add mesh/sieve to the pipe leading from the used oil tank's bund to the sump to keep frogs out;
8. Test the water from the last chamber of the oil sump for the presence of hydrocarbons as well as the river water quality (upstream of the mine and downstream);
9. Address the water quality issues to lower nitrate levels prior to irrigation of the water;
10. File the registration certificates of all waste handling service providers;
11. Compile a site specific stormwater management plan;
12. Update the Alien Control Action Plan and Register.

**MATTERS TO BE ADDRESSED – EAST COAST ASPHALT**

1. File all safe disposal certificates and registration certificates of waste handling service providers;

2. Ensure all applicable water uses are registered in terms of the NWA;
3. Clear all problem plants from the yard;
4. Prevent the mixing of general- and hazardous waste, and demarcate drums as General Waste or Hazardous Waste;
5. Clean all spills;
6. Seal and clean all bunded areas and ensure the bund has a 110% capacity.

**MATTERS TO BE ADDRESSED – SCRIBANTE READYMIX**

1. Improve waste management practices and file all safe disposal certificates and registration certificates of waste handling service providers;
2. Ensure all applicable water uses are registered in terms of the NWA;
3. Clear all problem plants from the yard;
4. Prevent the mixing of general- and hazardous waste, and demarcate drums as General Waste or Hazardous Waste;
5. Clean all spills;
6. Ensure all refuse drums/bins have lids;
7. Seal and clean all bunded areas and ensure the bund has a 110% capacity;
8. Replace the floor of the oil store with an impermeable layer and ensure the oil store has secondary containment;
9. Direct water from the oil trap at the service pit to an oil sump and prevent oil/water from draining directly into the surroundings. Clean all spills;
10. Repair the stormwater berm and do not allow any contaminated water to drain from the yard;
11. Clean the litter between the offices and the fence.

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

The EMPR was drafted before the requirements of the NEMA EIA Regulations, 2014 were promulgated and therefore not all the requirements of Appendix 4 of the GNR 326 have been considered. However, the Quarry is in the process of amending the mining boundaries through a Section 102 (in terms of the MPRDA) application process, and it is proposed that the EMPR of the Quarry must be updated as part of the Section 102 process.

**FINANCIAL PROVISION**

This report is accompanied by a reassessment of the financial provision calculation for the year 2025 that amounts to R 9 612 508.81. The 2025 financial provision exceeds the value of financial guarantee in place at the DMRE. However, the mine has a Section 102 amendment application pending with the DMRE to expand the mining footprint. In accordance with this application (S102) the financial guarantee of the mine will need to be increased should the S102 application be successful. The increased financial guarantee will then also account for the 2025 financial provision shortfall calculated earlier, and therefore it is proposed that the guarantee is only increased when a decision is made on the Section 102 application.

**ECO SIGNATURE**

NAME:	SIGNATURE:	DATE:
Christine Fouché	<i>Christine Fouché</i>	30 May 2025

## PHOTOGRAPHS

### OFFICE, SERVICE, WORKSHOP AND SALVAGE YARD AREAS



Bund of generator to be sealed



Old septic tank area being decommissioned



Water from the sump of diesel tank bunded area may not be used for dust suppression



Refuse bins on site



Paint store with new bund

OFFICE, SERVICE, WORKSHOP AND SALVAGE YARD AREAS



Sump of the used oil storage area must be improved

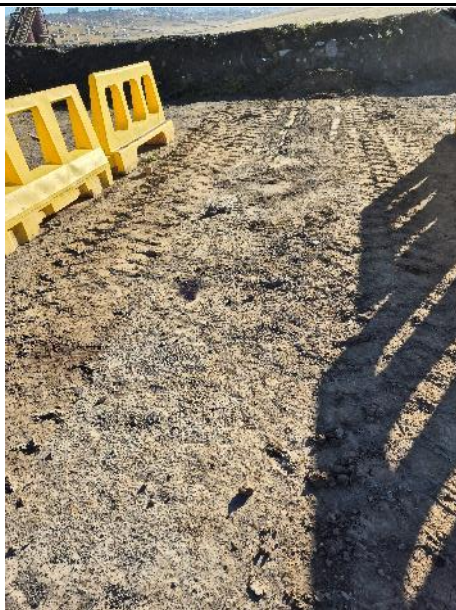


Wash bay

OFFICE, SERVICE, WORKSHOP AND SALVAGE YARD AREAS



Oil sump of wash bay being improved



Parking area

**OFFICE, SERVICE, WORKSHOP AND SALVAGE YARD AREAS**



**Salvage yard cleared of various materials and problem plants**



**Quarry pit – towards the north-western corner**

OFFICE, SERVICE, WORKSHOP AND SALVAGE YARD AREAS



Quarry pit – note south-eastern area being rehabilitated



New monument placed outside the mining area

Debris blocking flow to allow community crossing



Processing plant with stormwater berm in place

OFFICE, SERVICE, WORKSHOP AND SALVAGE YARD AREAS



Generator in bunded area



Problem plants to be removed from all berms

PROOF OF DOCUMENTATION

INGCALI WASTE MANAGEMENT SOLUTIONS

Registration number: 2016/279838/07  
118 Govern Mbeki Road, Kuyasa, Mthatha  
Eastern Cape, 5099  
Phone: +27 73 510 3557  
Email: pumlani.gqaleni@gmail.com

Date 18/03/2025

Attention:


RAUMIX MTHATHA  
NCAMBEDLANA LOCATION  
UMTATA  
5099

WASTE DISPOSAL LOG

Quantity	Description	RAUMIX SIGNATURE	INGCALI SIGNATURE
8kg	PLASTIC BOTTLES		
0kg	ALUMINIUM		
17kg	CARDBOX		
15kg	PLASTIC		

Recycling items removed by Ingcali Waste Management Solutions

## PROOF OF DOCUMENTATION



**KING SABATA DALINDYEBO MUNICIPALITY**

**KING SABATHA DALINDYEBO MUNICIPALITY**  
 2024-04-03  
 COMMUNITY SERVICES DIRECTOR

**WASTE HANDLING PERMIT: VEHICLE INSPECTION**

Name of Business Entity / Organization	Ingeni Agrie Solutions.
<b>VEHICLE DETAILS</b>	
Registration number	HXK 254 BC
Model	UP - Nissan
Make	Compactor Truck
<b>AUDITOR'S CREDENTIALS</b>	
Surname and name	Munite Mosisim
Position	Supervisor Landfill
Time	10 H 21
Date	06/03/2024
Site	hxk21 landfill site

## Proof of the Ingcali registration documents

**Everitt Group cc Ltd**

# REC- IL DANGEROUS GOODS DECLARATION

**Consignment No** 19577

## DISPOSAL CERTIFICATE/ REMITTANCE ADVICE

**Customer Details:**

*Transfer Quarries*  
*MTHATA*

Tel: \_\_\_\_\_  
Contact: *062 473 9799*  
Vat: \_\_\_\_\_

**Old RMT Building**  
**Quigney**  
**East London**  
**P.O Box 18381**  
**Quigney**  
**East London**  
**S211**  
Tel: 043 743 8465  
Van No: 4260185430

DATE: *10 / 3 / 25*  
Vehicle reg No: *TU13ZN*

UN No	Product Name	Class	Packing Group	Litres	Price per Lt	Total
						R c
1268	Waste Oil	3	3	<i>300</i>	<i>250</i>	
					VAT	<i>LC</i>
					Total Paid	<i>750 -</i>

**ALL PRICES QUOTED INCLUDE VAT.**

Method of Payment: Cash ☐ Cheque ☐ I/Transfer ☒

*750 -*

**Declarations**

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, for transport and in accordance with the relevant National Legislation. I hereby certify that I have made every effort as to not contaminate my waste oils with solvents such as antirreeze, paraffin or diesel or any other solvents that might be harmful to handle, transport or dangerous to the environment.

**Certificate of safe disposal**  
Rec Oil hereby declares that the waste oil collected is stored and recycled in its own recycling plant and is done in accordance and terms of section 22 of the environment conservation act, 1989  
(Act 73 of 1989)

This certificate is only valid on condition that the disposer (generator) makes full disclosure of the source, nature and chemical composition of all contaminants other than used lubrication oil and water.

I hereby declare that the consignment above has been received into my vehicle. My vehicle is correctly placarded and I am in possession of all necessary transport documentation pertaining to the transport of dangerous goods, including information to be followed in the case of emergency.

Name of driver: *Kel*

Place: *Ntshini*

Date: *10/3/25*

Signature: *[Signature]*

**Used oil removal proof**

**PROOF OF DOCUMENTATION**



**GLONS**

Telephone: 079 142 0888  
Email: glonsgroup@gmail.com  
07 Nintili Street,  
Mbuqe Extension, Mthatha, 5099

Company Registration Number: 2010/165247/23

**Disposal Certificate**

011

Consignment No: .....

Name of Generator / Supplier: TRANSKEI QUARRIES

Address of Generator / Supplier: NGOLO

Contact Person: M. G. Dube

Contact Number: 071 982 0993

Date of Collection: 12/05/2025

Transporter / Collector: GLONS GROUP

Vehicle Reg No: HWV 0606L

Product Description	Quantity (Litres / kg)	Water / Ash Percentage	Incentive Per Litre	Total
<u>Rags oil wrages</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

I ..... declare  
that all the above has been agreed upon.

Signature

12-05-2025

**SOURCE OF OIL (Tick)**

Agriculture	<input type="checkbox"/>
Mining	<input type="checkbox"/>
Workshop	<input checked="" type="checkbox"/>
Transport	<input type="checkbox"/>
Factory	<input type="checkbox"/>

**Removal of hazardous waste**

**JOB CARD:**

**ramatini**  
service agents

2958

CLIENT: TRANSKEI Quarries  
ADDRESS: Mthatha / Ngolo  
location

Date: 21/05/25  
Order No:   
Complaint No:

DATE:	DESCRIPTION:	TIME:	SIGNATURE:
<u>21/05/25</u>	<u>6000 litres of sawer waste</u>	<u>16:30</u>	<u>[Signature]</u>

**Cleaning of sewerage from site**

**PROOF OF DOCUMENTATION**

**O. R. TAMBO DISTRICT MUNICIPALITY**

**OFFICE ADDRESS:**  
O.R. Tambo District  
Municipality House  
Nelson Mandela Drive

**POSTAL ADDRESS:**  
Private Bag X 6043  
MTHATHA  
5100



**TEL:** (047) 501 6400  
(047) 501 7000

**FAX:** (047) 531 2700

**E-mail:** ortambodm@ortambodm.org.za

**TRANSKEI QUARRIES WATER QUALITY ASSESSMENT REPORT**

**Purpose**

The purpose of this report is to provide Transkei Quarries' water quality assessment findings and conclusion for potential consumption of the site's water by the neighbouring community residents.

**Background**

There has been a shortage of water supply in some parts of Ngolo location and an alternative to use the quarry's pit water was suggested for human consumption, hence the water quality assessment by ORTDM.

**Quantitative results**

Table 1.1: Physical parameters results

Sample ID	Results			
	pH	Conductivity (uS/m)	Turbidity (NTU)	Chlorine (mg/L)
Pit	7.75	835	2.60	0.22
Storage tap	7.93	863	1.30	0.18
Gooseneck	7.93	858	1.36	0.17

**Water test results**

	Raumix Aggregates (South)	
	and Transkei Quarries	
	SHEQ MANAGEMENT SYSTEM – ISO 45001	
	Alien Invasive Species Removal Register	

DATE	SPECY NAME	LOCATION	REMOVAL METHOD	DISPOSAL METHOD	COORDINATOR	MANAGER SIGNATURE
27 January 2025	Lantana Camara	Office block and workshop	Manual	Dried and buried in a trench	Anthony Leeuw	
10 February 2025	Lantana Camara Solanum Mauritian Ruginis Communise	Salvage yard Haul Roads	Manual	Dried and buried in a trench.	Anthony Leeuw	

**Proof of problem plant removal**

**EAST COAST ASPHALT SITE**



**Bund to contain dust material**



**Roof of generator storage area renovated**



**Bund to be improved**



**Storage area used for the storage of bitumen drums**



**All bitumen products to be moved to banded areas**

**EAST COAST ASPHALT SITE**



**Waste to be removed from the scrap metal skip**



**Tank removed from site**



**Tanks and bunded areas being renovated**

EAST COAST ASPHALT SITE



Tanks and bunded areas being renovated



**East  
Coast  
Asphalt**

Reg. No. 2007/014491/07 Vat No. 4730243880

Petty Cash Voucher

Voucher No.	0585
Date	14-02-2025

Expenses	Allocation Code	Detail Amount
Waste disposal fee At KSD Bhongweni	522/084	R84.40
	PROCESSED	
Signature	Approved by Manager	Total Paid R84.40

Lightprint 039 315 5000 EAS 005 15

Proof of general waste removal

**SCRIBANTE READYMIX SITE**



**Service pit to be fitted with an oil sump**



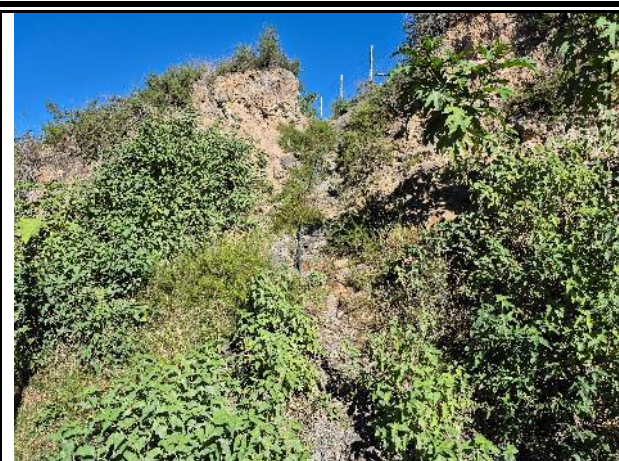
**Waste to be removed from site**



**Generator to be fitted with a bund**



**Bund of diesel tank to be sealed**



**Problem plants to be removed**



Used oil storage



Oil store floor to be repaired



Refuse bins



Spillage to be cleaned



Bund to be sealed



Spillage to be cleaned



Water drainage to be managed on site