

BUTTERWORTH QUARRY

ERF 725 (PORTION OF ERF NO 153 BUTTERWORTH), BUTTERWORTH, EASTERN CAPE PROVINCE

ENVIRONMENTAL PERFORMANCE ASSESSMENT / ENVIRONMENTAL AUDIT REPORT

DMRE REFERENCE NUMBER:	EC 30/5/1/2/2/0183 MR
AUDIT PERIOD:	May 2024 – May 2025

PREPARED FOR:

Transkei Quarries (Pty) Ltd
Contact Person: Mr L Bam
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PREPARED BY:

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1. PROJECT SPECIFIC DETAIL

ITEM	MINING RIGHT HOLDER
Company Name	Butterworth Quarry (Pty) Ltd
Contact Person	Mr. Loyiso Bam
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Cell Number	076 258 3140
E-mail Address	Loyiso.b@raumix.co.za
Physical Address	Transkei Quarries Kentani Road Butterworth
ITEM	CONSULTANT DETAIL
Company Name	Greenmined Environmental (Pty) Ltd
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Cell Number	082 811 8514
E-mail Address	Christine.f@greenmined.co.za
Postal Address	Postnet Suite 62 Private Bag x15 Somerset West 7129
ITEM	LOCATION AND AREA INFORMATION
Site Name	Butterworth Quarry
Property Description	Erf No 725 (Portion of Erf No 153 Butterworth)
Location	Butterworth Quarry is situated ±3 km east of Butterworth central.
Size of Mining Area	16.1634 ha

TABLE OF CONTENTS

1. PROJECT SPECIFIC DETAIL	1
2. ENVIRONMENTAL AUDIT REPORT	4
PROJECT DETAIL	4
DETAIL OF AUDITOR	4
SCOPE & PURPOSE OF ENVIRONMENTAL AUDIT	5
ASSUMPTIONS, UNCERTAINTIES OR GAPS IN KNOWLEDGE	5
LOCATION	6
PROJECT DESCRIPTION	6
SITE CONDITIONS	7
REPORTABLE ENVIRONMENTAL INCIDENTS	7
ADOPTED METHODOLOGY	7
INSPECTION ASPECTS	8
COMMENTS OR COMPLAINTS RECEIVED FROM I&AP'S	16
AUDITING OF EA, EMPR AND REPORTING THEREOF	16
GENERAL REPORT	16
ECO SIGNATURE	19
PHOTOGRAPHS	20

2. ENVIRONMENTAL AUDIT REPORT

PROJECT DETAIL

Right Number:	EC 30/5/1/2/2/0183 MR	Date of Commencement:	January 2010
Site Name:	Butterworth Quarry	Inspection Date:	22 May 2025
Right Holder:	Transkei Quarries (Pty) Ltd	Other Authorisations:	General Authorisation: 27/2/2/T420/2/1
Report Number:	03		

DETAIL OF AUDITOR

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

ECO:	Christine Fouché
EXPERTISE:	Ms Fouché 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).
DECLARATION OF INDEPENDENCE:	<p>I, Christine Fouche, in my capacity as environmental control officer declare that–</p> <ul style="list-style-type: none"> • I act as independent environmental control officer in this compliance audit; • 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; • I have expertise in conducting environmental compliance audits, including knowledge of the Act and regulations that have relevance to the activity; • I will adhere to and comply with all responsibilities as indicated in the National Environmental Management Act and Environmental Impact Assessment Regulations. • 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). <p align="center"><i>Christine Fouché</i></p> <p align="right">Date: 29 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 (May 2007).

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 and Storage Areas;
- Parking Area;
- Processing Areas (new & old plants);
- Quarry Pit;
- Salvage Yard;
- Stockpile Areas;
- Wash Bay;
- Weigh bridge;
- Workshop.

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 gathered from 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:	Butterworth Quarry is situated ±3 km east of Butterworth central.		
Site Map:			
Site Coordinates:	A	32°19'46.98"	28°10'49.94"
	B	32°19'45.97"	28°10'52.78"
	C	32°19'49.08"	28°10'59.12"
	D	32°19'50.83"	28°11'04.13"
	E	32°19'55.95"	28°11'01.66"
	F	32°20'00.75"	28°10'57.30"
	G	32°20'00.92"	28°10'46.82"
	H	32°20'01.39"	28°10'43.09"

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. The boundaries of the pit are limited by the mining boundaries that stand in relation the adjacent Gcuwa River (west) and in the north by the processing and mining infrastructure/buildings.

The right holder applied for a Section 102 amend of the mine boundaries in terms of the MPRDA, 2002 in December 2023 that is still in process with the DMRE. The environmental impact assessment (in terms of NEMA) part of the Section 102 application process was finalised, and the Environmental Authorisation was issued in February 2025. The mine now awaits the DMRE's decision on the amendment of the mining footprint (in terms of the MPRDA).

SITE CONDITIONS

Partly cloudy windless day with dry soil conditions.

REPORTABLE ENVIRONMENTAL INCIDENTS

Incident Date:	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.
Incident No:	
Incident:	
How addressed:	
When addressed:	

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

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

INSPECTION ASPECTS

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
LEGISLATION COMPLIANCE:				
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"> 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). The Environmental Authorisation (EA) regarding the Section 102 amendment of the mining right was approved in 2025 and a copy of the authorisation is available on site.
Copy of the EA available on site	5	-	Compliant	
Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002)	4	3	Being addressed as part of S102	A Section 102 amendment application was submitted to expand the mining boundaries and include the section historically mined outside the approved mining footprint. As mentioned above, the EA was received in February 2025.
Mining right available on site	5	-	Compliant	-
Mine plan updated annually and submitted to the DMRE	5	-	Compliant	The mine plan was updated in February 2025.
National Environmental Management: Air Quality Act, 2004 (Act No 39 of 2004)	5	-	Compliant	Although the mining activities do not require an air emissions licence, the requirements of the NEM:AQA are considered on site.
National Environmental Management: Waste Act, 2008 (Act No 59 of 2008)	5	-	Compliant	The waste management of the mine is in accordance with the NEM:WA requirements.
National Water Act, 1998 (Act 36 of 1998)	5	-	Compliant	In 2019 DWS confirmed that the activities at Butterworth Quarry does not require a formal water use authorisation. Water quantity is monitored with the ESG spreadsheet, and the mine is in the process of reviewing the water uses.
National Environmental Management: Biodiversity Act, 2004 (Act No 10 of 2004) (NEM:BA)	3	3	Ongoing	Butterworth 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 13

ENVIRONMENTAL PERFORMANCE ASSESSMENT / ENVIRONMENTAL AUDIT REPORT BUTTERWORTH QUARRY

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
				zones that are progressively cleaned. During the audit period the site mainly focussed on zones No 1 - 4, and 10.
GENERAL REQUIREMENTS (EMPR PG 30):				
Mining area demarcated with beacons	5	-	Compliant	Soil berms are used to define the mining area and poles were added at the perimeter of the pit.
Working hours restricted to 07:00 – 17:00 Mon-Fri, 07:00-13:00 Sat, excl public holidays.	1	1	Being addressed as part of S102	Presently the Quarry operates in two shifts from 07:00 - 17:00, and 17:00 – 03:00. The operating hours were amended in the 2024 EMPR, that will be applicable once the S102 application was approved.
TOPSOIL (EMPR PG 31):				
Topsoil removed from all areas where physical disturbance occur.	N/A	-	-	No topsoil was removed during the audit period.
Topsoil stockpiles on high ground inside mining boundary outside the 1:50 flood level.	4	3	Being addressed	The topsoil heaps are on high ground, and management appointed a hydrologist that will determine the floodline.
Topsoil kept separate from overburden and not used for building or road maintenance.	5	-	Compliant	-
Topsoil protected from wind- or surface run-off erosion.	5	-	Compliant	The topsoil heaps are vegetated.
ACCESS TO THE SITE (EMPR PG 31):				
Access via the existing Kentani Road.	5	-	Compliant	-
Security access gate manned permanently.	5	-	Compliant	-
No other roads used to gain access to the quarry.	5	-	Compliant	-
Roads adequately maintained to minimise dust, erosion, or surface damage.	5	-	Compliant	The access road was well maintained at the time of the inspection.
Liberation of dust effectively controlled (water spraying, speed)	5	-	Compliant	A dust suppression sub-contractor is appointed on site.

ENVIRONMENTAL PERFORMANCE ASSESSMENT / ENVIRONMENTAL AUDIT REPORT BUTTERWORTH QUARRY

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
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	-
Workshop and maintenance areas kept clean, and spillages properly cleaned.	5	-	Compliant	-
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.	4	3	To be addressed	<ul style="list-style-type: none"> Since the previous audit, a berm was added to the parking area of the diesel bowser. All bunded areas must be sealed and the leak proof test results must be filed.
No vehicles extensively repaired in the maintenance yard or off-site.	5	-	Compliant	-
MAINTENANCE OF VEHICLES AND EQUIPMENT (EMPR PG 32):				
Maintenance of vehicles and equipment only done in the maintenance yard or off-site.	5	-	Compliant	This appeared true on the day of the audit.
Mining equipment adequately maintained to prevent spills.	5	-	Compliant	At the time of the inspection this appeared true.
Mining machinery or equipment do not constitute a pollution hazard.	4	3	To be addressed	The bunds of the diesel tank, used oil tank and generator must still be sealed.
WASTE DISPOSAL (EMPR PG 32):				
Suitable covered receptacles always available and conveniently placed for the disposal of waste.	4	3	To be addressed	Since the previous audit the mine obtained hazardous waste bins where contaminated rags and other -waste can be placed. The bins must be signposted to prevent mixing of general waste.
Used oils, grease, hydraulic fluids placed in hazardous receptacles and removed to a licenced disposal facility.	5	-	Compliant	Proof of waste disposal is available on site.
Spills cleaned up immediately.	5	-	Compliant	No spills were noted on the day of the audit.

ENVIRONMENTAL PERFORMANCE ASSESSMENT / ENVIRONMENTAL AUDIT REPORT BUTTERWORTH QUARRY

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
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	-	-	
OPERATING PROCEDURES IN THE MINING AREA (EMPR PG 33):				
Mining only taking place within the approved demarcated mining area.	1	1	In process	The mine submitted a Section 102 amendment application to the DMRE to extend the mining boundary and include the sections where mining exceeded the approved footprint.
Restrictions on the potential impact on nearby drainage channels managed throughout the mining process to recommendations contained in the EMPR: <ul style="list-style-type: none">Mining related debris scattered in the drainage channels removed.Runoff generated in the Butterworth Quarry, directed into the quarry excavation.Berms constructed along the western boundary to ensure surface water from the stockpiles and crushing plant fed towards the excavation.	4	1	-	<ul style="list-style-type: none">The debris that were historically deposited to close to the river has not been removed as it is believed that removing the rock will have a larger impact than leaving it in place.Berms are in place to direct runoff from the mine areas into the excavation.

ENVIRONMENTAL PERFORMANCE ASSESSMENT / ENVIRONMENTAL AUDIT REPORT BUTTERWORTH QUARRY

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
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	-
Grass and vegetation re-established on completion of mining activities.	N/A	-	-	Not yet applicable.
No firewood collected on site, and fires prohibited.	5	-	Compliant	-
EXCAVATIONS (EMPR PG 33):				
Topsoil handled as described in the EMPR.	N/A	-	-	Not applicable as no new topsoil was stripped during the audit period.
Excavations only taking place within the approved demarcated mining area as per phased mining approach.	1	1	Being addressed	Refer to the comment regarding the Section 102 application.
Excavations made good as per the requirements of the EMPR with precision blasting implemented to meet the desired post-quarrying topography.	5	-	Compliant	Blasting takes place in accordance with the requirements of the rock engineer.
PROCESSING AREAS AND WASTE PILES (EMPR PG 34):				
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	The ablutions of the mine was renovated during the audit period.
Toilets provided and situated in an area where no negative impact occurs.	5	-	Compliant	-
Clean water available to workers.	5	-	Compliant	The Quarry buys potable water from a service provider (RO Water).

ENVIRONMENTAL PERFORMANCE ASSESSMENT / ENVIRONMENTAL AUDIT REPORT BUTTERWORTH QUARRY

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Rivers and groundwater not impacted negatively.	4	3	To be addressed	<ul style="list-style-type: none">The Quarry took (Jan 2025) water samples from the river before and after the Quarry, the quarry pit, and the last tank of the oil separator.The results do not comment on the findings, but it appears that the nitrate level of the water in the pit is above the limit. See <i>General Report</i>.
No natural vegetation unnecessarily disturbed in and around the quarry site.	5	-	Compliant	-
Mining area and surrounds always kept neat and tidy.	5	-	Compliant	On the day of the audit the mining area was neat and tidy.
Processing area and waste piles established within a clearly demarcated area to the west/north-west of the mining area.	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 yet applicable.
Rehabilitated area seeded with indigenous seed mix. Fertilisers avoided.	N/A	-	-	
FINAL REHABILITATION – LAND FORMING (EMPR PG 35):				
Cliff sections not exceeding 10 m in height, and bench sections 3 m or wider.	N/A	-	-	Butterworth Quarry did not yet enter the Final Rehabilitation phase.
Upper face blasted to a gradient of 1:3 down to a depth of ±6 m below surface.	N/A	-	-	
Precision blasted face to a gradient of not steeper than 85° in 10 m cliff sections.	N/A	-	-	
3 m wide bench levels between each 10 m cliff face down to the floor to the quarry.	N/A	-	-	

ENVIRONMENTAL PERFORMANCE ASSESSMENT / ENVIRONMENTAL AUDIT REPORT BUTTERWORTH QUARRY

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Post-quarry landscape not prone to erosion at an unacceptable rate.	N/A	-	-	
FINAL REHABILITATION – TOPSOIL AND SUBSOIL REPLACEMENT (EMPR PG 36):				
Stripped overburden backfilled into the worked out areas and used to soften quarry slopes.	N/A	-	-	Butterworth 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 specie.	N/A	-	-	
MONITORING AND REPORTING (EMPR PG 38):				
Regular monitoring of all environmental management measures and components carried out by the holder.	5	-	Compliant	Butterworth Quarry is regularly audited by ASPASA and the mine reports annually on the environmental performance of the quarry.
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 submitted to the DMRE on 09 July 2024.
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	As mentioned earlier, a Section 102 application for the extension of the mining boundaries is pending with the DMRE.
Adherence to the impacts associated with dolerite quarrying as outlined in the EMPR addressed during the annual audit.	5	-	Compliant	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	-	Compliant	-
Emergency or unforeseen impact reported to the DMRE within 14 days of event noticed.	N/A	-	-	No emergencies or unforeseen impacts occurred during the audit period that had to be reported to the DMRE.

ENVIRONMENTAL PERFORMANCE ASSESSMENT / ENVIRONMENTAL AUDIT REPORT BUTTERWORTH QUARRY

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Community complaints register kept in the office, and complaints addressed as far as possible.	5	-	Compliant	The mine has a complaints box.
Blast monitoring implemented	5	-	Compliant	B&E International is responsible for the blasting and monitoring thereof at the mine.

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

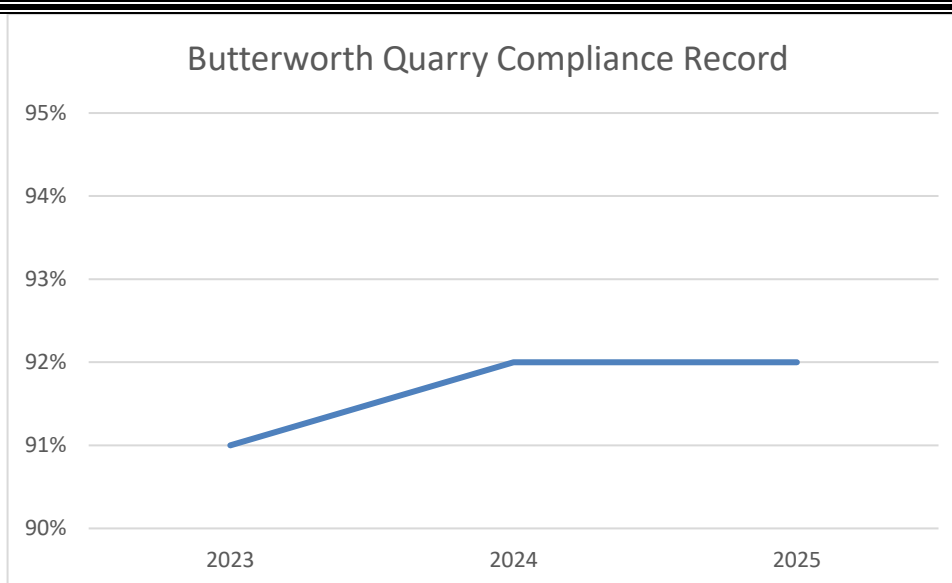
The Quarry has a complaints box where all complaints can be lodged. According to management, no complaints were received during the audit period.

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

Date of previous EAR/EPA:	May 2024
Proof of submission to DMRE available:	The previous EAR was submitted to the DMRE on 09 July 2024, and proof of this is available from the right holder.
EAR/EPA compiled by independent person with environmental auditing expertise:	This EAR was compiled by Ms Christine Fouché from Greenmined Environmental (Pty) Ltd.
Potential and registered I&AP's notified within 7 days of the submission date, and report available on publicly accessible website	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 92% for the audit period.



Section 102 Amendment Application

As mentioned earlier, the mining footprint exceeds the approved mining boundary and a Section 102 amendment application, in terms of the MPRDA, to extend the mining footprint was submitted to the DMRE in December 2023. The EA was received in February 2025, but the final approval of the S102 application is still pending with the DMRE. This audit was therefore still based on the 2007 EMPR of the mine. The new (2024) EMPR of the mine will replace the 2007 EMPR once the S102 application was finalised.

Site Improvements

Butterworth Quarry renovated the employee ablution facilities. The removal of the old processing plant is ongoing, and the salvage yard was observed to be neat and well-managed on the day of the audit. The mine returns used tyres to the manufacturer, who replaces them with new ones at a predetermined exchange rate.

In line with the requirements of the EMPR, a hydrologist was appointed to conduct a floodline determination for the Gcuwa River.

The cables that previously ran through the bund wall of the diesel tank have been removed, and the resulting opening was repaired. Additionally, a berm was constructed in the diesel bowser parking area to prevent any potentially contaminated water from entering the surrounding environment.

Refuse bins were installed in the truck parking area, and on the day of the audit, the area was neat and free of litter.

As discussed, management must ensure that oversize and unwanted rocks from the quarry are not stockpiled in areas earmarked for future mining. This is particularly important given the potential southern expansion of the excavation area, pending approval of the Section 102 application.

Alien Invasive Species

A significant effort has been made to remove invasive plant species from the mining area. Unfortunately the mine and surrounding areas are highly infested that requires constant management. It is proposed that the cleared areas are sown with an indigenous grass mix to minimise the denuded areas and lessen the re-occurrence of problem species.

It is further recommended that the subcontractor responsible for removing invasive vegetation prioritise the eradication of plant species listed under Categories 1a, 1b, and 2 of the Alien and Invasive Species Regulations, 2020, published in terms of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004). While certain plants may be regarded as common weeds, priority should be given to the removal of listed invasive species in accordance with the legal requirements.

Waste Handling and Chemical Storage

As mentioned earlier, the bunds of the diesel tank, used oil tank and generator must be sealed, and management must ensure that the bunds are large enough to contain 110% of the liquid stored within. The proof of the leak tests must be filed for auditing purposes.

Hazardous waste bins were added to the waste storage area but must still be signposted as "Hazardous Waste" containers.

It is still recommended that soil treated through bioremediation be tested at least once a year to verify the effectiveness of the remediation process and to confirm that the soil is free of hydrocarbons upon completion. All test results must be documented and kept on file for auditing purposes.

Since the 2024 audit, responsibility for servicing the mine's septic tank has been transferred from Jadezweni to the local municipality, which will handle the cleaning of the tank as needed going forward.






Water Management and Monitoring

As previously mentioned, water samples were collected from the river (upstream and downstream of the quarry), the final chamber of the oil sump, and the quarry pit. The laboratory responsible for the analysis did not include the relevant acceptable limits in the test report, nor did it provide an interpretation of the results, making it difficult to assess compliance. However, based on the available data, it was deduced that the nitrate concentration in the quarry pit water exceeds the limits specified in SANS 241:2015 and Government Notice 665 of 2013, rendering it non-compliant. Although the laboratory did not elaborate on the findings, the levels of soaps, oils, and greases in the water sample taken from the final tank of the oil separator also appear to be unacceptable. It is therefore recommended that future laboratory reports include a clear summary of the findings, a comparison against applicable standards, and an interpretation of the results to facilitate effective environmental management.

Site management noted that the Gcuwa River flooded into the quarry pit earlier this year. Consequently, water is being pumped from the quarry pit back into the river through a pipeline installed along the southern side of the excavation. As discussed, it is recommended that the pump be fitted with a flow meter to enable the quarry to accurately monitor the volume of water discharged back into the river. The mine is currently reviewing its water uses and will register any applicable water uses with the Department of Water and Sanitation (DWS), if required.

The stormwater drainage system at and around the processing area was reviewed. It is recommended that a berm be constructed along the northern entrance to the plant to prevent runoff water from entering the processing area and instead divert it towards the north-western corner of the mine.

DOCUMENT CHECKLIST:

	Alien Invasive Species Management Plan, Action Plan & Register -	Present
	Blasting Procedure	- Present
	Complaints Register/Box	- Present
	EMPR	- Present
	Environmental Assessment Report (2024)	- Present

Environmental Awareness Training	-	Present
Financial provision (2024)	-	Present
Incidents register / Flash Reports	-	Present
Material Safety Data Sheets	-	Present
Mine Plan (2025)	-	Present
Mine works program	-	Present
Mining right	-	Present
Pre-start Checklists	-	Present
Section 102 Environmental Authorisation	-	Present
Social and labour plan	-	Present
Waste disposal proof & service provider registration proof	-	Present
Monitoring results	-	Dust Monitoring (Present) Noise Monitoring (Present) Blast Monitoring (Present) Water Monitoring (Present)

MATTERS TO BE ADDRESSED:

1. Review the water uses of the mine and obtain DWS approval if needed;
2. Continue with the removal of problem plants and monitor cleared areas for re-occurrence;
3. Determine the 1:50 year flood line of the river;
4. Seal all the bunded areas of the mine and file proof of leak tests;
5. Add signs to the hazardous waste drums;
6. Request the water laboratory to add a summary and explain the water results;
7. Address the high nitrate levels of the water in the pit, and do not use the water from the last chamber of the oil sump until the water is clear of hydrocarbons;
8. Test the remediated soil to proof it does not contain hydrocarbons.

ABILITY OF EMPR TO ADEQUATELY MANAGE OR MITIGATE ENVIRONMENTAL IMPACTS & NEED FOR AMENDMENT OF THE EMPR (APPENDIX 7 SUB-REGULATION 3(E))

The 2007 EMPR was drafted before the requirements of the NEMA EIA Regulations, 2014, and therefore not all the requirements of Appendix 4 of the GNR 326 have been considered. This EMPR was subsequently amended and updated as part of the Section 102 application process awaiting final authorisation from the DMRE, for which the environmental authorisation was received in February 2025. As mentioned earlier, the 2024 EMPR will be implemented once the S102 application was approved.

FINANCIAL PROVISION

This report is accompanied by a reassessment of the financial provision calculation for the year 2025 that amounts to R 5 436 479.43. The 2025 financial provision does not exceed the value of financial guarantee in place at the DMRE and the MR Holder does not have to provide a shortfall amount.

ECO SIGNATURE

NAME:	SIGNATURE:	DATE:
Christine Fouché	<i>Christine Fouché</i>	29 May 2025

PHOTOGRAPHS

SITE BUILDINGS AND SURROUNDING AREAS



Truck parking area clear of litter



Spekboom growing along the office fence



Refuse bins available on site

SITE BUILDINGS AND SURROUNDING AREAS



Clearing of problem plants

SITE BUILDINGS AND SURROUNDING AREAS



Renovated ablutions



Waste storage area

Hazardous waste bins to be signposted



Bund to be sealed

Berm added to bowser parking area

SITE BUILDINGS AND SURROUNDING AREAS



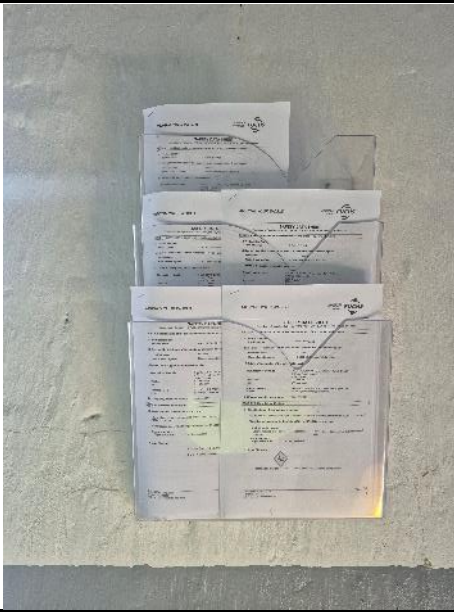
Berm to be sealed. Note cables removed from the bund that now runs overhead



Wash bay

Oil spill kit on site

SITE BUILDINGS AND SURROUNDING AREAS



MSDS's available on site



Signage at oil store



Neatly defined walking and work spaces



Bund to be sealed



Refuse bin on site

SITE BUILDINGS AND SURROUNDING AREAS



Processing area where a stormwater berm is proposed to direct runoff water from the plant



Quarry pit with remaining problem plants to be removed



Berms being cleared of problem plants

SITE BUILDINGS AND SURROUNDING AREAS



Oversize rock stored on site



Old plant and structures being removed



Dust suppression in progress



Area kept neat

SITE BUILDINGS AND SURROUNDING AREAS



Neatly managed salvage yard

PROOF OF DOCUMENTATION



Raumix Aggregates (South)
and Transkei Quarries
Waste Control Register



Area/Mine: Butterworth Location: _____ Environmental Control officer: Potabile Jack Year: 2024
This register must be completed every time waste is disposed or delivered

DATE	REMOVED BY	SIGNATURE REMOVER	VEHICLE REG NO	TYPE OF WASTE	QUANT TY OF WASTE	TAKEN TO: NAME OF WASTE SITE	REF NO (WASTE SITE)
21-10-24	RAMATINI		BBU 1179P	Sewage	8000L	Umtata Municipality Dumping Site	Umtata Municipality Dumping Site
12/11/24	Gordani + Huma Care		DYN043EC	General Waste	860kg	Butterworth Regional Site	Tibika landfill
13/11/25	Gordani + Huma Care		DYN043EC	General Waste	270kg	Butterworth Regional Site	Tibika landfill
22-01-25	Jolezweni		DYN043EC	Sewage	8000L	Butterworth Municipality Dumping Site	Butterworth Municipality Dumping Site

Waste Control Register

PROOF OF DOCUMENTATION



Reuse of old conveyor belts

DEE'S RECYCLING C.C

- BUYER OF FERROUS & NON FERROUS METALS -

Tel/Fax +27-047 531 3886 • Cell 083 272 1229
Private Bag X 5109 Suite 83 Mthatha 5099 • 99 Kalika Street Vulindlela Heights, Mthatha, South Africa
• Email: deesscrapmetals@telkomsa.net

SAFE DISPOSAL CERTIFICATE

DEES RECYCLING CC, TOGETHER WITH TRANSKEI QUARRIES
BUTTERWORTH, IS WORKING TOWARDS RESPONSIBLE
ENVIRONMENTAL MANAGEMENT

DATE RECEIVED	: 27.11.2024
CUSTOMER	: TRANSKEI QUARRY - BT
INVOICE	: TB 232238
WEIGHT RECEIVED	: 3100 KG
DESCRIPTION OF LOAD	: SCRAP STEEL

The contents of this load have been recycled at our Mthatha Branch in accordance with safe environmental practices.

Yours faithfully

L. A. Harding
(Manager)

Proof of scrap metal removal

PROOF OF DOCUMENTATION

[illegible]

Safe disposal record for the used oil

PROOF OF DOCUMENTATION



Name: Khayakazi Nonkonyana
Tel: 043 702 8209/ 043 101 0750
Email: khayakazi@elidz.co.za
www.elidz.co.za



T0626

PO Box 5458, Greenfields
East London, 5208
Lower Chester Road
SunnyRidge, 5201
East London, South Africa

ELIDZ Environmental Chemistry Laboratory

Certificate Of Analysis

Report NO:	EC-2025-00069	Sample Description:	River water	
Customer:	Raumix Aggregate	No. of Samples	3	
Address:	PO Box 13057 Arboretum Bloemfontein	Sample Condition:	Cold	
		Sample Identification:	Transkei Quarries	
Contact:	Bathabile Jada			
Phone:	0514332964	Date Received:	24-Jan-2025	
Order No:		Date Completed:	06-Feb-2025	
		Test Date:	24-Jan-2025	
SAMPLE IDENTIFICATION				
	Lab No Sample ID	EC-2025-00069-01 River Upper Stream 1	EC-2025-00069-02 River Lower Stream 2	EC-2025-00069-03 Transkei Quarry Butterworth (PTI) 3
Analysis	Unit	Method	UoM	
Chloride	mg/L	MM-CHE026	0.039	62.9
Fluoride		MM-CHE028	1.47	66.0
Nitrate (dissolved)	mg/L	MM-CHE024		0.337
Total Alkalinity	mg/L	MM-CHE027	2.41	0.908
Calcium	mg/l as Ca	Sub	5.6	0.862
Electrical conductivity	mS/M	MM-CHE002	3.31	51.1
Magnesium	mg/l	Sub	5.1	73.6
pH	pH units	MM-CHE005	0.145	141
Sulphate (dissolved)	mg/l as SO ₄	MM-CHE014	0.15	14.5
Temperature	°C	MM-CHE005		7.85
				22.5



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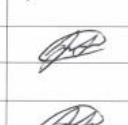
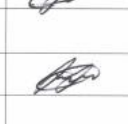



ELIDZ Environmental Chemistry Laboratory

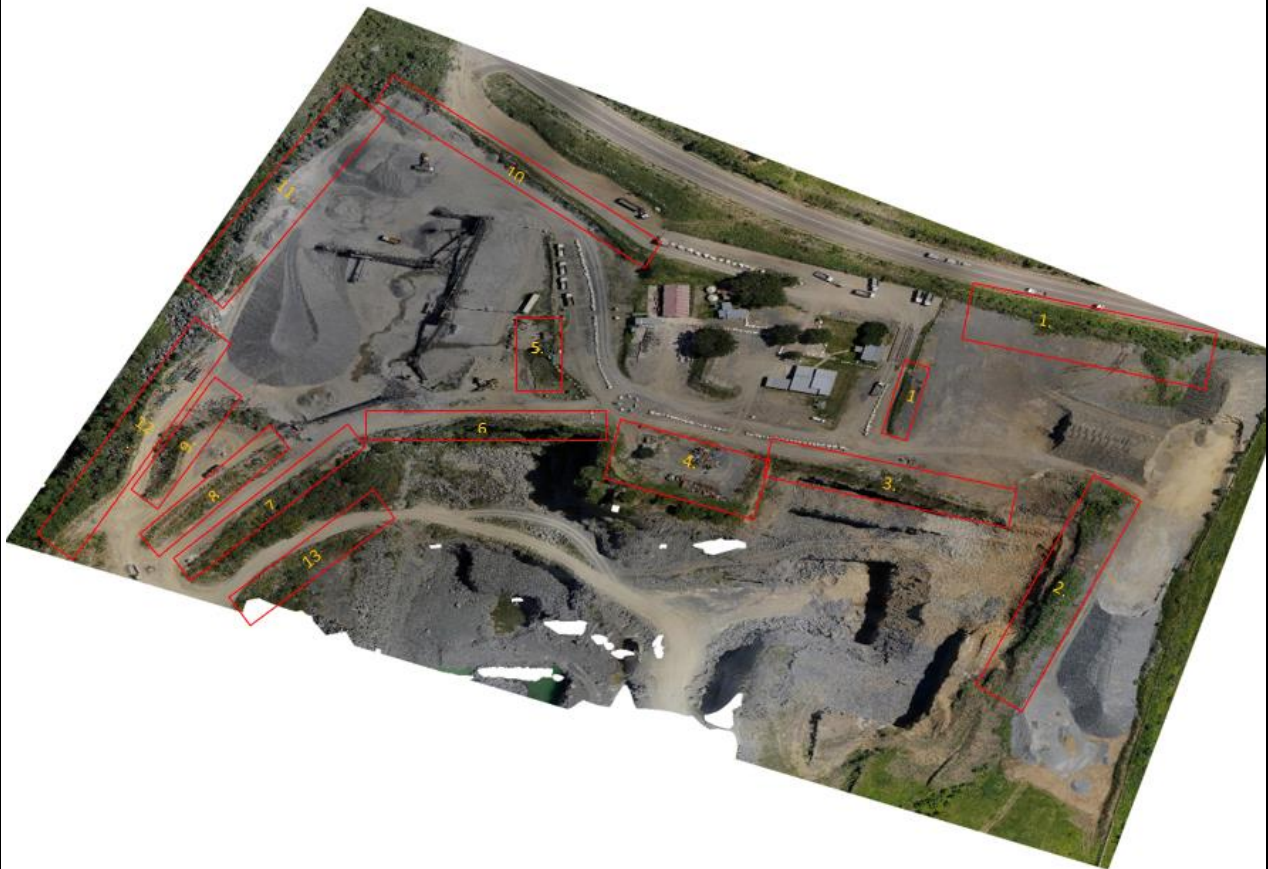
Certificate Of Analysis

Report NO:	EC-2025-00070	Sample Description:	River water
Customer:	Raumix Aggregate	No. of Samples:	01
Address:	PO Box 13057 Arboretum Bloemfontein	Sample Condition:	Cold
		Sample Identification:	Transkei Quarries
Contact:	Bathabile Jada		
Phone:	0514332964	Date Received:	24-Jan-2025
Order No:		Date Completed:	06-Feb-2025
		Test Date:	24-Jan-2025
SAMPLE IDENTIFICATION			
Lab No Sample ID		EC-2025-00070-01 Oil Separator	
Analysis	Unit	Method	UoM
Chloride	mg/L	MM-CHE026	0.039
Fluoride		MM-CHE028	1.47
Nitrate (dissolved)	mg/L	MM-CHE024	
Total Alkalinity	mg/L	MM-CHE027	2.41
Calcium	mg/l as Ca	Sub	5.6
Electrical conductivity	mS/M	MM-CHE002	3.31
Magnesium	mg/l	Sub	5.1
pH	pH units	MM-CHE005	0.145
Sulphate (dissolved)	mg/l as SO ₄	MM-CHE014	0.15
Soaps, oil and greases *	mg/L	MM-CHE020	
Temperature	°C	MM-CHE005	
			40.0
			0.248
			0.357
			130
			33.1
			50.0
			9.3
			7.29
			28.4
			152
			22.8

Water test results

PROOF OF DOCUMENTATION

<div> <div>RAUMIX</div> <div> Raumix Aggregates (South) and Transkei Quarries SHEQ MANAGEMENT SYSTEM – ISO 45001 Alien Invasive Species Removal Register </div> <div>TRANSKEI QUARRIES</div> </div>						
DATE	SPECY NAME	LOCATION	REMOVAL METHOD	DISPOSAL METHOD	COORDINATOR	MANAGER SIGNATURE
12-2-24	Castor Bean Apple of Peru	Section 2	Manual	1m Trench	Grant	
16-2-24	Castor Bean Apple of Peru	Section 1	Manual	1m Trench	Grant	
27-6-24	Castor Bean Cocklebur	Section 2	Manual	1m Trench	Grant	
28-6-24	Castor Bean Cocklebur	Section 2	Manual	1m Trench	Grant	
13 January 25	Tree Tobacco	Section 3	Manual	1m Trench	Adams	
13-01-25	Cocklebur					
20 January 25	Castor Bean	Section 4	Manual	1m Trench	Adams	
20-01-25	Spear Thistle Hairy Begonia					
24 January 25	Castor Bean	Section 10	Manual	1m Trench	Adams	
24-01-25	Cocklebur					



Control of invader plant species during the audit period