KIMBERLEY QUARRY PORTION 39 OF THE FARM SPIJTFONTEIN NO 122, KIMBERLEY, NORTHERN CAPE PROVINCE

ENVIRONMENTAL PERFORMANCE ASSESSMENT / ENVIRONMENTAL AUDIT REPORT

DMRE REFERENCE NUMBER:	NC 30/5/1/2/2/0287 MR	
AUDIT PERIOD:	May 2024 – April 2025	

PREPARED FOR: PREPARED BY:

OMV Kimberley Mining (Pty) Ltd

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1. PROJECT SPECIFIC DETAIL

ITEM	MINING RIGHT HOLDER			
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ITEM	CONSULTANT DETAIL			
Company Name	Greenmined Environmental (Pty) Ltd			
Contact Person	Ms. Christine Fouché			
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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	Kimberley Quarry			
Property Description	Portion 39 of the farm Spijtfontein No 122			
Location	Kimberley Quarry is located ±8.6km to the south of Kimberley, adjacent to the N12 to Hopetown. The site is situated on a portion of Portion 39 of the farm Spijt Fontein 122.			
Size of Mining Area	370.2447 ha			



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2. ENVIRONMENTAL AUDIT REPORT

PROJECT DETAIL

Right Number:	NC 30/5/1/2/2/0287 MR	Date of commencement:	The mine was acquired in 2016
Site name:	Kimberley Quarry	Inspection date:	24 April 2025
Right Holder:	OMV Kimberley Mining (Pty) Ltd	Other	Water Use Authorization No:
Report number:	02	authorisations:	25057704

<u>DETAIL OF AUDITOR</u> (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 nineteen 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) since 2019.
Declaration of independence:	 I, Christine Fouche, in my capacity as environmental control officer declare that— 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).



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 specifically on Section 5: *Environmental Objectives and Specific Goals*, Section 6: *Outline of the Implementation Program*, and Section 7 *Action Plans* of the 2011 EMPR.

OBJECTIVE:

The objective of the environmental audit report (EAR) is to evaluate compliance of the operational activities with the 2011 Environmental Management Programme Report (EMPR) 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 environmental management programmes.

INSPECTED AREAS:

The inspection included an assessment of the following areas:

- Offices, workshops and storage areas;
- Wash bay and oil sump;
- · Diesel depot;
- New and old quarries;
- Processing area;
- Stockpile areas and overburden dumps;
- Old asphalt yard / salvage yard;
- Old B&E International (Pty) Ltd yard

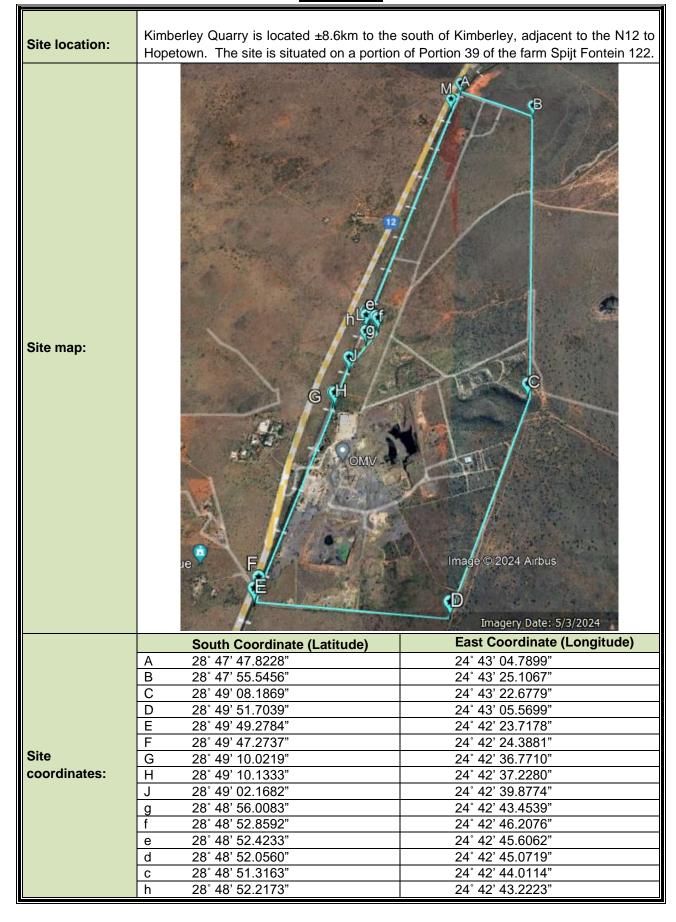
To establish the environmental compliance assessment of the operation, the mining site was inspected on foot and by vehicles by the Environmental Control Officer, Christine Fouché, from Greenmined Environmental (Pty) Ltd accompanied by site management.

<u>ASSUMPTIONS, UNCERTAINTIES OR GAPS IN KNOWLEDGE</u> (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. The block yard and old ready-mix plant were excluded from the scope of this audit, nor was the northern part of the farm/mining footprint assessed as no mining activities take place here.



LOCATION





K	28° 48' 51.2237"	24° 42' 43.5562"
L	28° 48' 51.0897"	24° 42' 43.0204"
М	28° 47' 52.8938"	24° 43' 02.3234"

PROJECT DESCRIPTION

Kimberley Quarry is an opencast mine, where dolerite is mined. The stone crushing operation has been in existence for more than forty years.

The mineral deposit within the Mining Right area is dolerite, extracted by surface mining methods. Rock is loosened by conventional drilling and blasting methods, with oversized boulders being subjected to secondary breaking or blasting (when possible). The muck pile (blasted rock) is removed from the pit using excavators and TMM's and either deposited directly into the jaw crusher or deposited on the Run of Mine (RoM) stockpile for later processing. Various products are then produced from the secondary crusher and screens, and conveyed to the product stockpiles, ready for dispatch (Whittington-Jones 2022).

Historically a block making plant (Blockpave), ready mix plant (OMV) and asphalt plant (National Asphalt) were established within the footprint of the mining area. Only the block plant remains operational, while the ready-mix yard has been vacated, and the former asphalt plant area is being used as salvage yard by the mine. The site camp area previously used by B&E International was cleared as they left the mine.

SITE CONDITIONS

Cloudy windless day with intermittent showers.



REPORTABLE ENVIRONMENTAL INCIDENTS

Incident date:	
Incident no:	The quarry keeps a register of the incidents that took place during the audit
Incident:	period. No major incidents were reported during the audit period.
How addressed:	
When addressed:	

<u>ADOPTED METHODOLOGY</u> (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
	LEG	ISLATION COMPL	IANCE:	
National Environmental Management Act, 1998 (Act No 107 of 1998) and the Environmental Impact Assessment Regulations, 2014 (as amended)	5	-	Compliant	The competent authority deems the approved 2011 EMPR and MR of the quarry compatible with an Environmental Authorisation in terms of NEMA, 1998
Copy of the EA available on site	N/A	-	-	and the EIA Regulations, 2014 (as amended). Also refer to Need for Amendment of the EMPR under General Report below.
Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002)	5	-	Compliant	The mining right is valid until 06 July 2046.
Mining right available on site	5	-	Compliant	-
Mine plan annually reviewed	5	-	Compliant	The mine plan was updated in March 2025. The mining boundary was initially incorrect on the plan, and this was discussed with the surveyor who corrected the plans before submission to the DMRE.
National Environmental Management: Air Quality Act, 2004 (Act No 39 of 2004)	5	-	Compliant	Although the activities at the mine do not require an air emissions licence, site management is mindful of the requirements of the NEM:AQA. Also refer to the <i>General Report</i> below.
National Environmental Management: Waste Act, 2008 (Act No 59 of 2008)	3	3	To be addressed	Although the waste of the Quarry is disposed in accordance with the requirements of the NEM:WA, the management of waste materials on site (before disposal) must be improved. See General Report.
National Water Act, 1998 (Act 36 of 1998)	3	3	To be addressed	The mine needs DWS approval for the various water uses on site.
Copy of Water Use Authorisation available on site.	5	-	Compliant	A copy of the water certificate for the borehole is available.





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
National Environmental Management: Biodiversity Act, 2004 (Act No 10 of 2004) (NEM:BA)	3	3	To be addressed	Kimberley Quarry has a site specific Alien Invasive Species Management Plan and Alien Vegetation Action Plan. The alien species map divides the mining area into 9 sections that must be progressively cleaned. See <i>General Report</i> .
	AIR QU	JALITY (2011 EMP	R PG 66)	
All roads within the study area used by mining machinery and -vehicles will be sprayed with water allying agent daily to ensure that dust is adequately suppressed, if any complaints from land owners/lawful occupants or members of the public are received in this regard.	5	-	Compliant	A water truck sprays the roads and water sprayers along the roadways alleviate dust generation. Water is also sprayed on the material in the pit (when needed) to lessen dust at the crusher plant. Additional water sprayers were also fitted where the material is tipped into the bin. Water used at the quarry and by the water
A water sprayer will be installed in the primary feeder bin of the plant if any complaints from the public are received in this regard.	5	-	Compliant	truck is abstracted from the quarry sump, while the rest is municipal water.
The speed of vehicles used within the mining area will be strictly controlled to avoid excessive dust or the excessive deterioration of the roads being used.	5	-	Compliant	Speed is restricted to 10 km/h in the quarry pit and 30 km/h outside the quarry pit.
All cleared, disturbed or exposed areas will be revegetated as soon as possible to prevent the formation of additional sources of dust.	N/A	-	-	No cleared, disturbed or exposed areas were identified that can be revegetated, as most of these areas are still in use.
If any complaints regarding dust pollution are received from the public or a state department a fallout and nuisance dust monitoring study will be conducted. The results of this study will be compiled into monthly reports and forwarded to the Director of Health and Safety, Department of Mineral Resources, Kimberley.	4	3	To be addressed	 Novacraff was appointed as the dust monitoring specialists of the Quarry since the 2024 audit and the fallout dust units were in place on the day of the audit. The mine must keep the complaints register updated.





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
If it is determined that the mine is likely to cease mining operations within a period of 23 years management will promptly notify the Minister of Environmental Affairs and Tourism in writing of (a) the likely cessation of the mining operation and (b) of the plans that are in place or in contemplation for the rehabilitation of the area.	N/A	-	-	This requirement is deemed outdated and should be amended if the EMPR is updated. Mine management is in constant discussions with the DMRE who is aware of the activities on site.
	SURFAC	E WATER (2011 E	MPR PG 69)	
The necessary authorization has been obtained from the Department of Water Affairs and Forestry for all actions to be performed which requires such authorization.	1	3	To be addressed	The water use authorisation available on site is in the name of Oranje Mynbou en Vervoer Maatskappy (Pty) Ltd and allows the taking of water from the borehole. The water use is also stipulated as "Agriculture". Kimberley Quarry therefore does not have DWS authorisation for at least the taking and storage of water in the quarry pit, the irrigation of waste water from the last chamber of the oil sump, nor the use of water for dust suppression. The mine must apply for authorisation of all the relevant water uses at the DWS.
Vehicle repairs will only take place within the maintenance/farmstead area for vehicles. Repairs within open mining pits will be limited to emergency breakdowns with drip trays.	4	3	To be addressed	Although vehicle repairs are confined to the maintenance yard, out-of-order machinery and equipment parked in the salvage yard and other mining areas are leaking hydrocarbons, which must be prevented.
Refueling will only take place in the refueling area. If this is found not to be practical, drip trays will be used whenever refilling takes place outside of this area.	5	-	Compliant	Since the 2024, a parking area with bund was made for the diesel bowser next to the diesel tank. Water that accumulates in the bund of the bowser, drains into the larger bund of the diesel tank. According to site management drip trays are used when refuelling takes place outside the refuelling area.





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
During rehabilitation the applicant will endeavor to reconstruct flow patterns in such a way that surface water flow is in accordance with the natural drainage of the area as far as practically possible.	N/A	-	-	Not yet applicable.
	GROUNI	WATER (2011 EN	MPR PG 73)	
Vehicle and equipment maintenance will only be allowed within the maintenance area if possible.	4	3	To be addressed	Refer to the earlier comment regarding the out of order machinery/equipment parked at the salvage yard and other mining areas.
Drip trays will be placed at all points where diesel, oil or hydraulic fuel may drip and in so doing contaminate the soil.	3	3	To be addressed	The use of drip trays must still be increased on site as various machinery/equipment were parked without drip trays on the day of the audit.
All efforts will be made to move the broken-down vehicle or piece of equipment to the maintenance area.	2	3	To be addressed	Since the 2024 audit, the equipment/machinery used by B&E was removed from site. The broken equipment/vehicles at the salvage yard and other mining
If the vehicle/pieces of equipment cannot be moved the broken parts will firstly be drained of all fluid. The part will then be moved and taken to the maintenance area.	2	3	To be addressed	areas, must however still be removed from site, to the maintenance area, or at least fitted with drip trays to prevent soil contamination.
No repairs will be allowed outside the maintenance area except for emergencies.	5	-	Compliant	No repairs were taking place outside the maintenance area on the day of the audit.
Equipment used as part of the proposed operation will be adequately maintained to ensure that oil, diesel, grease, or hydraulic fluid does not leak during operation.	3	3	To be addressed	Refer to earlier comment regarding the equipment/machinery at the salvage yard and other mining areas.
Fuel and other petrochemicals will be stored in steel receptacles that comply with SANS standards. An adequate bund wall, 110% of volume for the largest storage receptacle will be provided for oil and diesel areas accommodate any spillage or overflow of	4	3	To be addressed	Although the petrochemicals of the mine are stored in bunded areas, some of these chemicals were noted at the old B&E site that needs secondary containment.





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
these substances. The area inside the bund wall will be lined with an impervious line to prevent infiltration of the fuel into the soil. The latter will be covered by an approved bacterial hydrocarbon digestion agent that is effective in water.				The generators of the mine (at the processing plant) must still be fitted with bunds.
	NATURA	L FLORA (2011 E	MPR PG 76)	
No trees or shrubs will be felled or damaged for the purpose of obtaining firewood unless greed by the landowner or rights holder.	5	-	Compliant	Collection of firewood is not allowed on site.
All backfilled pit areas will be seeded with a vegetation seed mix adapted to reflect the local indigenous flora that was present prior to the mining operation if the natural succession of vegetation is unacceptably slow.	N/A	-	-	No excavations were backfilled during the audit period.
If a reasonable assessment indicates that the re- establishment of vegetation is unacceptably slow the soil will be analyzed and any deleterious effects on the soil rising from the mining operation will be corrected.	N/A	-	-	
Branches of invasive tree species e.g. <i>Acacia mellifera</i> will be distributed over rehabilitated seeded areas to protect emerging seedlings to retain soil moisture and prevent soil erosion.	N/A	-	-	No areas where rehabilitated/seeded during the audit period that had to be protected.
Seeded or newly vegetated areas will be protected against grazing and browsing animals for a period of one year after seeding if necessary.	N/A	-	-	
No tree species protected in terms of Section 12 of the National Forest Act, 1998 will be cut, disturbed,	5	-	Compliant	The mine did not remove any protected trees during the audit period.





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
damaged or destroyed without a license from the Department of Water Affairs and Forestry.				
Invasive or exotic plant species will be controlled in rehabilitated areas.	N/A	-	-	Not applicable during the audit period.
Fires will only be allowed in facilities or equipment specifically constructed for this purpose.	5	-	Compliant	-
The following signs will be clearly displayed in the vicinity of the fuel and diesel storage receptacles a) Danger, b) No Smoking, c) No fire or open lights.	5	-	Compliant	-
A fire extinguisher in a weatherproof casing will be installed near fuel and diesel storage receptacles.	5	-	Compliant	-
	FAU	JNA (2011 EMPR F	PG 79)	
A speed limit will be enforced in the mining area	5	-	Compliant	-
No wild or domestic animals will deliberately be killed or disturbed within the boundaries of the study area or surroundings during or as part of the proposed mining operation.	5	-	Compliant	According to site management, no animals were killed nor snares set during the audit period.
No snares or traps will be set by the applicant or employees of the applicant for the purpose of killing or hunting any animal species	5	-	Compliant	
Any snares and/or traps found in the study area will be removed and destroyed immediately.	N/A	-	-	
As soon as a specific excavation is completely worked out it will be backfilled in part as and when it is possible and made safe to a level that prevents animals from falling into depressions	5	-	Compliant	Management continues with the rehabilitation of a portion of the old quarry pit where oversize rock is used to backfill a section that will no longer be mined. It is believed that the excavations are safe and do provide
Operational pits will have low angle access ramp to provide an escape route for animals.	5	-	Compliant	animals that may wander into the pit/s with an escape route.





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
All operational pits will be inspected daily for signs of trapped animals. If a trapped animal is found it will be helped to escape immediately. If species diversity does not reflect that of the surrounding non mining area after the closure of operation advice will be sought from the Northern Cape Nature Conservation Service.	5	-	Compliant	-
	NO	ISE (2011 EMPR P	G 80)	
Noise disturbance that may affect persons lawfully living in the vicinity or neighbors or animals will be kept to a minimum.	5	-	Compliant	The noise levels at the quarry are monitored by a qualified occupational hygienist that reports the findings to the DMRE.
When they equivalent noise exposure at or in any operation where people may travel, or work exceed 85 dB. The holder will take the necessary steps to reduce the noise below this level.	5	-	Compliant	
Hearing protection will be made available to all employees where attenuation cannot be implemented.	5	-	Compliant	-
All vehicles in operation will be in good working order and adhere to the relevant noise requirements in terms of the Road Traffic Act.	5	-	Compliant	This appeared true on the day of the audit.
Every vehicle in operation will be equipped with a silencer and its exhaust system.	5	-	Compliant	Where applicable.
Occupational control blasting activities will form part of the proposed mining operation if it is necessary.	5	-	Compliant	-
Where appropriate lubricants will be applied to ensure that surfaces which interact during mechanical movement do not generate undesirable noise levels	5	-	Compliant	Where applicable.





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
Safety measures which generate noise such as the reverse gear alarms on large vehicles will be appropriately calibrated or adjusted	5	1	Compliant	-
	AESTH	IETICS (2011 EMP	R PG 81)	
Open pits will be subjected to progressive backfilling if possible and made safe.	5	-	In progress	As mentioned earlier, management continues with the progressive rehabilitation of a section of the old pit.
Permanent structures or features that are part of the proposed mining operation will be kept neat and well presented.	5	-	Compliant	The permanent structures at the mine were neatly managed on the day of the audit.
Waste material of any description will be removed from the mining area upon completion of the operation and will be disposed of as a recognized landfill facility.	N/A	-	-	Not yet applicable.
All plant and equipment will be removed from the site upon completion of the mining operation.	N/A	-	-	
	TOPOG	RAPHY (2011 EM	PR PG 82)	
All open pits will be backfilled if and when necessary and made safe as to reflect as far as possible the pre-mining topography of the area.	N/A	-	-	Although progressive rehabilitation is in progress at a section of the old pit, the mine did not yet enter the final closure phase.
All temporary features e.g. plant, containers, and stockpiling will be removed and handled in the prescribed manner during rehabilitation.	N/A	-	-	
	SO	ILS (2011 EMPR P	G 83)	
Topsoil will be removed from all areas where physical disturbance of the surface will occur.	N/A	-	-	No natural areas were disturbed/altered during the audit period where topsoil had to be removed.
Removed topsoil will be stored in a bund wall on the high ground side of the mining area within the boundaries of the mining area.	5	-	Compliant	Although the topsoil is not stored in a bunded area, it is kept separate and safe at the stockpile area.





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
The maximum height of each topsoil stockpile will be 2.5 m.	5	-	Compliant	-
Stored topsoil will be adequately protected from being eroded or blown away.	5	-	Compliant	-
Topsoil will be kept separate from overburden and will not be used for the construction or maintenance of roads.	5	-	Compliant	-
The chemical and physical properties of stored topsoil will be used for rehabilitation purposes and will not be altered introducing foreign material, gravel, rock, rubble, or mining residue to such soil.	N/A	-	-	The mine is still in the process of rehabilitating a section of the old pit, and topsoil has not yet been spread.
When possible, portions of backfill pits will be covered with a final layer of topsoil and seeded with vegetation mix adapted to reflect the local indigenous flora that was present prior to mining operations.	N/A	-	-	
Compacted areas will be ripped with depth of 300 mm during the decommissioning and closure phase of operation to establish a growth medium for plants.	N/A	-	-	Not yet applicable.
Seeded backfilled areas will be protected against soil erosion by covering such areas with branches of invasive plant species.	N/A	-	-	
Erosion control measures will be implemented in backfilled areas were found to be necessary.	N/A	-	-	Not yet applicable.
Rehabilitated areas will be inspected for signs of erosion at regular monthly intervals as well as after every storm event. If signs of erosion are noted remedial action will be taken immediately.	N/A	-	-	





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
Care will be taken to prevent the spillage of chemicals onto soils or its escape or migration into surrounding soils.	3	3	To be addressed	The hydrocarbon spills noted in the mining area must be cleaned.
Oil grease and hydraulic fluids spills will be cleaned up immediately to the satisfaction of the Regional Manager by removing the spillage together with the contaminated soil and disposing of it at a licensed facility.	1	3	To be addressed	
Vehicle movement will be confined to established roads as far as it is practical to prevent compaction of soils.	5	-	Compliant	-
	LAND CA	PABILITY (2011 E	MPR PG 85)	
The applicant will attempt to limit all unnecessary surface disturbance.	5	-	Compliant	Mining related disturbance is contained to the southern part of the MR footprint, while the northern part remains undisturbed.
When possible, open pits will be subject to progressive backfilling if material is available and made safe if it cannot be totally backfilled.	5	-	Compliant	In progress at the old pit.
Mining activities will only take place within the designated mining area.	5	-	Compliant	-
Monitoring of the establishment of natural vegetation upon completion of the mining operation will be done once every second year one month after the end of the long rainy season.	N/A	-	-	Not yet applicable.
	SENSITIVE L	ANDSCAPES (201	1 EMPR PG 86	
No graves or sites of historical significance will be destroyed, damaged, altered, exhumed or removed from its original position without a license from the SAHRA.	N/A	-	-	Not applicable as no graves or sites of historical significance were identified in the mining area.





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS	
	WASTE N	ATERIAL (2011 E	MPR PG 87)		
Proper sanitation facilities will be provided for employees.	5	-	Compliant	-	
No person will pollute the workings with feces or urine misuse the facilities provided or inappropriately foul the surrounding environment with feces or urine.	5	-	Compliant	This appeared true on the day of the audit.	
Non-biodegradable refuse such as glass, bottles, plastic bags etc. will be sorted and stored in separate lockable containers at a central point. It will be disposed of at a recognized disposal facility twice a month.	5	-	Compliant	Although the refuse bins are not lockable, all waste is neatly stored on site prior to removal.	
Refuse will not be dumped in the vicinity of the mining area.	5	-	Compliant	The mine has proof of safe disposal of all the waste generated at the mine.	
Waste material regarding vehicle repairs will be kept in 200 liters steel containers in the maintenance area This material will be disposed of at a recognized disposal facility once a month.	5	-	Compliant	Oilkol removes the used oil and filters from the mine. Proof of safe disposal is available on site.	
Hazardous waste generated will be disposed of at recognized facility	5	-	Compliant	Oilkol removes the used oil and filters of the mine, while the mine remediate the contaminated soil on site. See <i>General Report</i> .	
TECHNICAL AND MANAGEMENT OPTIONS	S FOR THE SOCI	O-ECONOMIC CO	NDITIONS OF 1	THE MINING OPERATIONS (2011 EMPR PG 88)	
These aspects of the EMPR relate to health and safety matters that were not audited as part of this exercise					
	R THE CULTUR	AL AND HISTORIC	AL ASPECTS	OF THE MINING OPERATIONS (2011 EMPR PG 92)	
The entire area is viewed as a low intensity archaeological site. All mining will take place at least 100 m from any the determined site, as required by the National Heritage Resources Act.	N/A	-	-	No sensitive site, in terms of the NHRA, was identified on site.	





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
PROCEDURES FOR ENVIRO	NMENTALLY RI	LATED EMERGE	NCIES AND RE	MEDIATION (2011 EMPR PG 93)
Emergency preparedness and response.	5	-	Compliant	The site has an emergency preparedness and response plan that were last reviewed in January 2025, and employees receive regular training on emergency aspects.
Oil, grease on hydraulic fluid spills.	5	-	Compliant	Hydrocarbon spills are regularly discussed on site (toolbox talks), and training in this regard is done.
Fire.	5	-	Compliant	Kimberley Quarry is a member of the local Fire Association and do regular training with employees on fire management.
ENVIRONMENT OBJECTIVES AND SPECIFIC GOALS (2011 EMPR PG 62)				
ENVIRONMENTAL OB	JECTIVES AND	SPECIFIC GOALS	FOR MINE CLC	SURE (2011 EMPR PG 62)
Objective: The applicant will, for as far as it is reasonably practical, rehabilitate the environment affected by the proposed mining operation to its natural or predetermined state or to a land use with which confirms to the generally accepted principle of sustainable development.	N/A	-	-	Not yet applicable.
Specific Goals: To rehabilitate the area affected by the proposed mining operation to its natural state or state that conforms to the generally accepted principle of sustainable development.	N/A	-	-	
SPECIFIC GOALS REGARDING THE MANAGEM	ENT OF ANTICIP			SED MINING OPERATION AND THE ENVIRONMENT
		(2011 EMPR PG 6	2)	
Air Quality: To control the incidents of unacceptable levels of dust pollution on site.	5	-	Compliant	Dust suppression is implemented on site to alleviate dust pollution.
Surface water: To conserve water and to eliminate the contamination of runoff and sources of surface water.	4	3	To be addressed	All hydrocarbon spills must be cleaned, and the use of drip trays must be intensified on site.





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
Ground water: To minimize the contamination of groundwater.	4	3	To be addressed	
Natural flora: To establish self-sustaining vegetation units in the rehabilitated areas and to control invasion by exotic and invasive plant species.	N/A	-	-	This needs to be implemented once the areas were rehabilitated.
Fauna: To re-establish vegetation in cleared areas and therefore a habitat for wildlife. To eliminate poaching, snaring and the extermination of animal species within the boundaries of the study area as well as the surrounding areas.	N/A	-	-	
Noise: To control the incident of unacceptable noise levels on site.	5	-	Compliant	-
Aesthetics: To minimize aesthetic disturbance and to reduce the visual impact of the proposed mining operation through a process of ongoing rehabilitation and reclamation.	5	-	Compliant	Progressive rehabilitation is in progress.
Topography: To reduce the potential of surface erosion caused by runoff in excavated and backfilled areas. To ensure the stability and safety of all backfilled excavations and open excavations.	5	-	Compliant	No serious erosion was noted on the day of the audit.
<u>Soils</u> : To prevent soil pollution. To limit soil compaction, to curb soil erosion and to reinstate the growth medium able to sustain plant life.	3	3	To be addressed	The soil contamination mentioned earlier must be rectified.
Landscape ability: To minimize the reduction of land capability.	5	-	Compliant	-
Waste management: To ensure that the discarding of any waste material produced because of the proposed mining operation takes place only at a site	5	-	Compliant	The mine do recycle office paper, scrap metal, and conveyor belts. The rest of the waste is responsibly disposed of.





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
or sites demarcated for such purposes. To reduce, reuse, and recycle as far as practically possible. To prevent waste material from being dumped within the borders of the vicinity of the mining area.				
<u>Sensitive landscapes</u> : To protect sensitive landscapes from potential negative impact.	N/A	-	-	None identified to date.



COMMENTS OR COMPLAINTS RECEIVED FROM I&AP'S

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

The mine is still in discussions with the neighbour regarding the dust generation complaint.

<u>AUDITING OF EA, EMPR AND REPORTING THEREOF</u> (REGULATION 34):

Date of previous EAR/EPA:	27 May 2024
Proof of submission to DMRE available:	Proof of submission of the EAR/EPA is available on site.
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 (OMV Kimberley Mining (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 2011 EMPR was reviewed during the site assessment. The mining area recorded a compliance score of 92% for the audit period.



In terms of environmental compliance the mine was generally well-maintained, with improvements observed at the oil stores, diesel bowser parking area, and the processing plant. Mining continues at the already disturbed part of the pit and no new areas were opened during the audit period.

Water Use:

The mine uses rainwater that accumulates in the quarry pit for the occasional washing of aggregate, as well as dust suppression. An application for the use of this water must be submitted to the Department of Water and Sanitation (DWS) as it is a regulated activity in terms of the National Water Act, 1998. The use of the water from the last tank of the oil sump at the wash bay must also be registered with DWS prior to it being used on site.

Water quality samples from the last chamber of the oil sump, and the quarry pit were submitted to Simlab in July 2024. The samples were only tested for the presence of nitrate, and although the test results do not discuss the findings, it appears that the sump water complies with the standards but the water from the quarry pit is high in nitrate. The water from the last chamber of the oil sump were not tested for hydrocarbons and should therefore not be used for dust suppression until the absence of hydrocarbons have been confirmed. It is again proposed that the mine request the lab to add a discussion on the water results in the following report, and no water from the oil sump may be irrigated if it contains hydrocarbons.

According to site management Novacraff collects water samples from the borehole and quarry pit that is quarterly tested for compliance. The results must be filed on site and be available for auditing purposes.

The drains of all basins must be kept operational, and the blockage noted on the day of the audit must be rectified.



Weeds and Invader Plants:

During the audit period site management cleared some problem plants from the benches surrounding the quarry pit, but the control of invasive plant species must be intensified. While continuous monitoring of the cleared sections remain important, control efforts must also be extended to new sections (Sections 1 - 9). All progress must be documented in a problem plant clearing register.

Control of the problem plants is a continuous management action, and as discussed, should be extended to include the following species:

Russian Tumbleweed Salsola kali Category 1b (Alien and Invasive Species List, 2020)
 Prickly Pear Opuntia spp. Category 1b (Alien and Invasive Species List, 2020)

Salvage Yard:

As mentioned earlier, various hydrocarbon spills and problem plants were noted in this area. All equipment that contains hydrocarbons must either be removed from site or be fitted with drip trays of adequate size. All hydrocarbon spills must be cleaned, and the soil must be treated as hazardous waste.

Further to the above, if the mine implements the bioremediation of contaminated soil, the "cleaned" soil must be tested for hydrocarbons before it is returned to the environment. Management must be able to proof that the soil is clean, and that the remediation process was successful before the soil is reused. This proof must be filed for auditing purposes. Site management should consider adding an environmentally friendly degreaser such as Oilcap prior to the remediation of the soil as this will significantly reduce the time needed to clean the soil.

B&E Internation (Pty) Ltd (B&E) Yard:

The area previously used by B&E for the temporary crushing and screening of material, was cleaned to a certain extent and most of the unwanted equipment, tools, vehicles and products were removed. It remains important that all the remaining hydrocarbons and -spills are removed from site.

Waste Management:

The bund of the oil store, that was broken during the 2024 audit, was since repaired and the workshop and storage areas were neat on the day of the audit. Site management also removed the waste from the old quarry pit that were mentioned in the 2024 audit report.

Coastal Hire services the chemical toilets used on site; they were also employed to service the septic tank of the office block in 2024. Proof of these services are available on site. Oilkol removes the used oil and filters from site, the general waste is collected by the municipality and LM Scrap collects the unwanted metal. Since 2024, the registration certificates of all the service providers were obtained and filed on site.

As mentioned earlier, the handling of waste materials, while still on-site, must be intensified. It is suggested that the Quarry clear all unwanted materials and scrap metal from the various areas in the mining footprint and store it in a designated area if it cannot be sold/discarded immediately.

Furthermore, the oil and other hydrocarbons must be drained from all broken-down machinery and equipment to prevent spillages at the salvage yard and parking areas. All the hydrocarbon spills must be cleaned, and actions must be taken to prevent future spills. Site management must ensure that all drip trays used on site is of adequate size, without cracks or holes and cleaned regularly. Rainwater that accumulates in the drip trays must be discarded as waste water into the sump at the wash bay.



The generators of the processing plant must still be bunded. All bunds must conform to the 110% capacity requirement.

Emissions Audit

The Department of Agriculture, Environmental Affairs, Rural Development and Land Reform confirmed on 09 October 2024 that the Quarry passed the emissions inventory audit for the 2023 emission report submission in terms of Section 8 of the National Atmospheric Emission Reporting Regulations, 2015.

Progressive Rehabilitation:

During the audit period, site management continued with the progressive rehabilitation of the most southern bend (±0.2 ha) of the old quarry pit. Unwanted rock are being dumped into the excavation to backfill it and create space in the pit where mining takes place. Management confirmed that soil will be spread over the coarse material once the area was backfilled.

DOCUMENT CHECKLIST:

•	Alien vegetation control plan & action plan	-	Present
•	Blasting Procedure	-	Present
•	Complaints Register	-	To be added
•	Dust Monitoring Report	-	Present
•	EMPR 2011	-	Present
•	Environmental Awareness Training	-	Present
•	Environmental Performance Assessment (2024)	-	Present
•	Financial Provision (2024)	-	Present
•	Incident Reports / Flash Reports	-	Present
•	Mine Plan (2025)	-	Present
•	Mine Works Programme	-	Present
•	Mining Right	-	Present
•	MSDS's	-	Present
•	Noise Monitoring Report	-	Present
•	Plant/Vehicle Inspection Records	-	Present
•	Proof of Waste Removal	-	Present
•	Social and Labour Plan	-	Present
•	Waste Service Providers Registration/Certification	-	Present
•	Water Use Authorisation (Borehole)	-	Present. Other uses to be applied for
•	Fire Protection Association Certificate	-	Present
•	Monitoring results	-	Dust Monitoring (Present)
			Water monitoring (Present)

MATTERS TO BE ADDRESSED:

- 1. Ensure the complaints register is filled in when a complaint is lodged;
- 2. Register the water uses of the quarry with DWS;
- 3. Confirm that the Simlab water results comply with acceptable water standards;

4. Test the oil sump water for hydrocarbon traces;

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Fuel Consumption (Present)
Electricity Consumption (Present)
Waste Generation (Present)



- 5. File the water monitoring report of Novacraff for auditing purposes;
- Increase the removal of weeds/invader plants;
- 7. Ensure all stationary vehicles and equipment is fitted with drip trays;
- 8. Clean all hydrocarbon spills at especially the salvage yard and old B&E yard;
- 9. Remove all unwanted metal, equipment from site;
- 10. Place bund walls around the generators;
- 11. Test a sample of the remediated soil to proof the process is affective;
- 12. Clean the drains of all basins to prevent wash water flowing into the surroundings;
- 13. Ensure that the mine boundary is correctly indicated on the mine plan.

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

The current EMPR was compiled prior to the promulgation of the NEMA EIA Regulations, 2014 and therefore does not fully address the requirements set out in Appendix 4 of GNR 326. While Kimberley Quarry has consistently worked to improve its environmental management practices, it is the opinion of the author that the EMPR should be amended to ensure full compliance with the latest NEMA EIA Regulations.

FINANCIAL PROVISION:

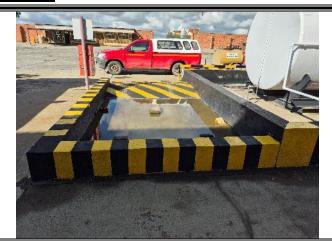
This report is accompanied by a reassessment of the financial provision calculation for the year 2025 that amounts to R 10 092 746.00. The 2025 financial provision exceeds the value of financial guarantee in place at the DMRE and the Right Holder may need to provide a shortfall amount upon departmental request.

ECO SIGNATURE

NAME	SIGNATURE	DATE
Christine Fouche	Christine Fouché	13 May 2025

PHOTOGRAPHS





Bunds of diesel tank and diesel bowser parking area

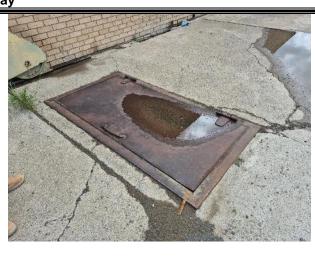






Wash bay





Wash bay drain to oil sump

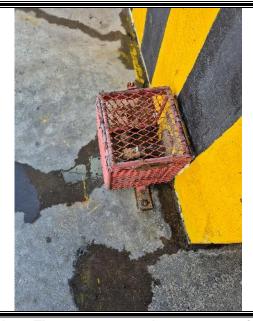




Bunds around store entrances







Used oil storage bund with locked tap to prevent spills (Note: The area was wet due to recent rain)





Blocked drain to be opened

Refuse bins used on site



Scrap metal skip

Drip trays in place







Drums used for soil remediation

Oil storage area







Oil spill kit

Spillage to be cleaned under old machine near offices





Unwanted materials to be removed from site







Oil tank spilling onto the soil

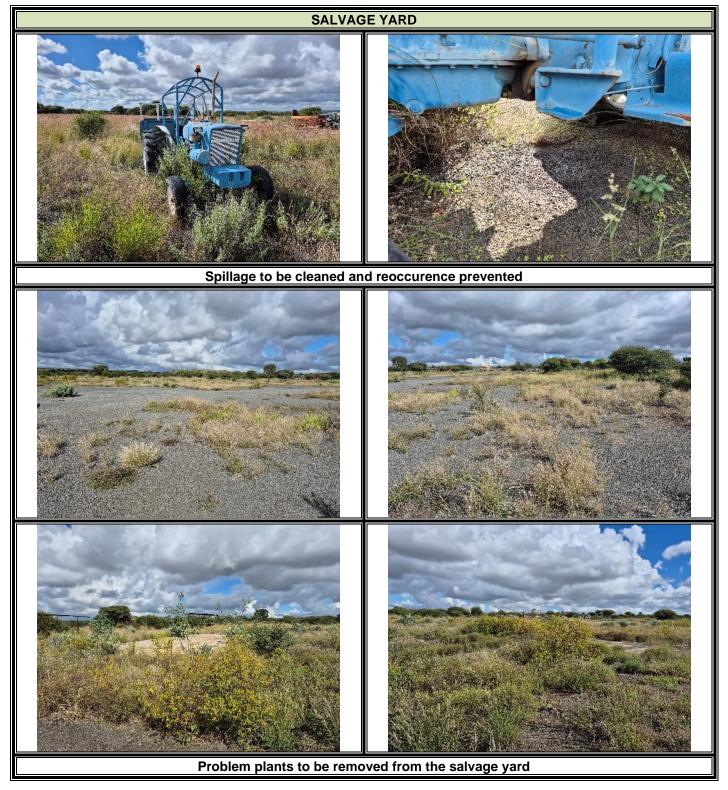






Scrap material can be contained in the empty skip

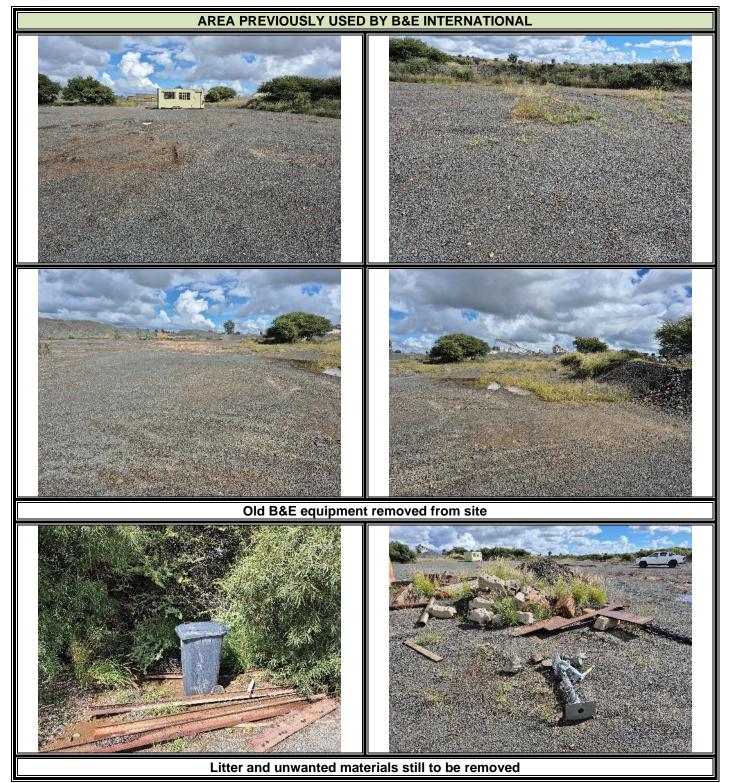




















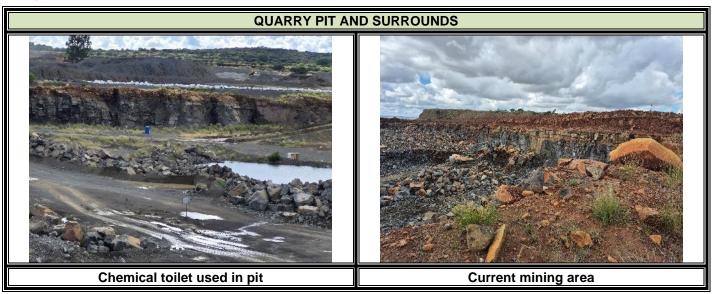


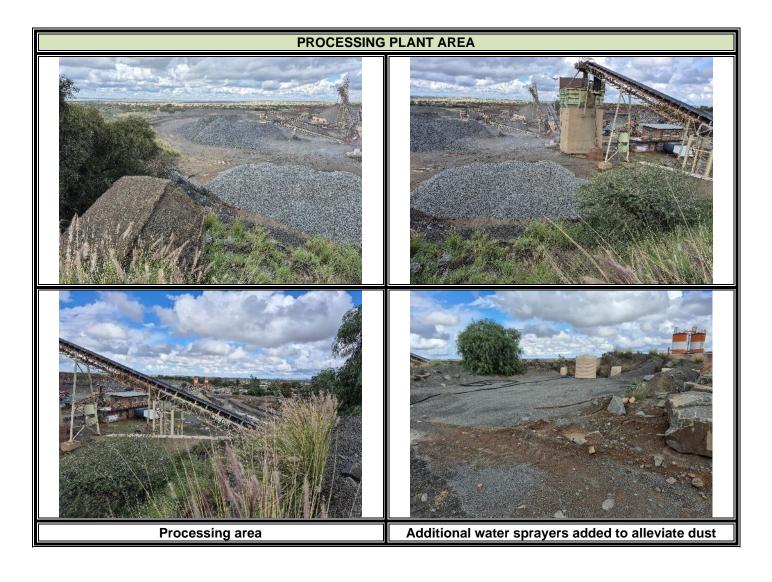














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