

PROPOSED MINING OF AGGREGATE ON PORTION 18 (PORTION 2) OF THE FARM LOUTERBRONNEN 250, THEUNISSEN DISTRICT, FREE STATE PROVINCE

ENVIRONMENTAL AUDIT REPORT



DMR REFERENCE NUMBER:	FS 30/5/1/2/2/10040 MR
AUDIT PERIOD:	NOVEMBER 2020

PREPARED FOR:

Vengablox
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**ENVIRONMENTAL PERFORMANCE ASSESSMENT
LOUTERBRONNEN AGGREGATE QUARRY**

1. PROJECT SPECIFIC DETAIL

ITEM	MINING RIGHT/PERMIT HOLDER
Company Name	Vengablox
Contact Person	Mr. M. du Plessis
Tel Number	N/A
Cell Number	083 410 8286
Postal Address	PO Box 202, Theunissen, 9410
ITEM	AUTHOR CONSULTANT DETAIL
Company Name	GreenMined Environmental
Contact Person	Gerhard Botha
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Company Name	GreenMined Environmental
Contact Person	Mr. M Saal
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Cell Number	079 979 8766
E-mail Address	Murchellin.s@greenmined.co.za
Postal Address	Suite 62, Private Bag X15, Somerset West, 7129
ITEM	LOCATION AND AREA INFORMATION
Site Name	Louterbronnen Aggregate Quarry
Property Description	Farm Name: Portion 18 (Portion 2) of the farm Louterbronnen 250 Magisterial District: Theunissen 21 Digit Surveyor General Code: F03300000000025000018
Location	±2 km south-east of Theunissen
Size of Mining Area	Application area: 17.9ha
Site Coordinates:	A. 28°24'44.18" S; 26°43'37.23" E
	B. 28°24'46.62" S; 26°43'32.64" E
	C. 28°24'49.91" S; 26°43'31.86" E
	D. 28°25'04.37" S; 26°43'39.34" E
	E. 28°24'57.48" S; 26°43'53.11" E



ENVIRONMENTAL PERFORMANCE ASSESSMENT LOUTERBRONNEN AGGREGATE QUARRY

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**ENVIRONMENTAL PERFORMANCE ASSESSMENT
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ENVIRONMENTAL AUDIT REPORT

PROJECT DETAIL

Permit / Right Number:	FS 30/5/1/2/2/10040 MR	Date of Commencement:	15 May 2019
Site Name:	Louterbronnen Aggregate Quarry	Inspection Date:	28 January 2021
Permit / Right Holder:	Vengablox (Pty) Ltd	Other Authorisations:	24 March 2017
Report Number:	11		

DETAIL OF AUDITOR

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

ECO:	Gerhard Botha
EXPERTISE:	Mrs. GA Botha has 8 years of experience in environmental legal compliance audits, (GIS) geographic information system, mining right, and permit applications and applications for environmental authorizations & Water use applications.
DECLARATION OF INDEPENDENCE:	<p>I Gerhard Botha 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. <p align="center">  Signature of ECO </p> <p align="right">Date: 17 February 2020</p>

ENVIRONMENTAL PERFORMANCE ASSESSMENT LOUTERBRONNEN AGGREGATE QUARRY

SCOPE & PURPOSE OF ENVIRONMENTAL AUDIT

(APPENDIX 7 SUB-REGULATION 3(C)):

This environmental audit report was compiled in terms of the requirements of the NEMA EIA Regulations, 2014.

OBJECTIVE:

The objective of the environmental audit report (EAR) is to evaluate compliance of the operational activities with the environmental management programme (EMPR) and mining permit.

INSPECTED AREAS:

The inspection included an assessment of the following areas:

- Washing and Screening plant area;
- Earthmoving and excavating equipment
- Settlement pond for processing water
- Water pump for settling pond
- Site Vehicles
- Overburden and topsoil dumps;
- Stockpiles;
- General working area
- Office area;
- Parking area for visitors and site vehicles with a concrete floor
- Site Storage Area

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

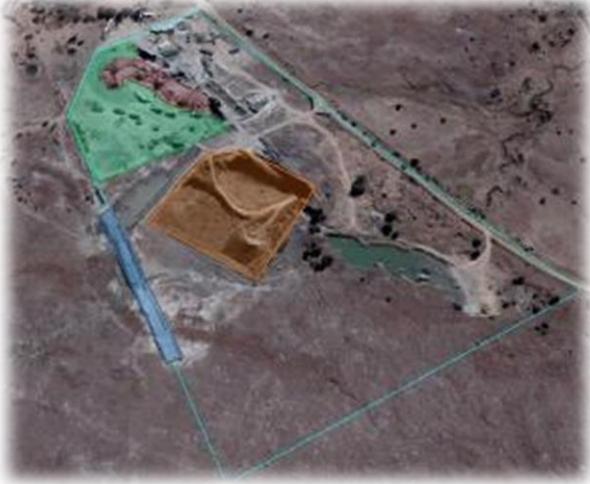
ASSUMPTIONS, UNCERTAINTIES OR GAPS IN KNOWLEDGE

(APPENDIX 7 SUB-REGULATION 3(F)):

The assumptions made in this document, stem from specific information gathered during the site audit and background information gathered from site management.

**ENVIRONMENTAL PERFORMANCE ASSESSMENT
LOUTERBRONNEN AGGREGATE QUARRY**

LOCATION

Site Location:	The mine is located ±2 km south-east of Theunissen. The mining footprint was approved over the entire extent of Portion 18 (Portion 2) of the farm Louterbronnen 250. The GPS coordinates to the entrance of the site are 28°24'44.17"S; 26°43'37.76"E.	
Site Map:	 <p>Satellite view of the approved mining area (blue polygon), where the blue shaded polygon indicate the water management area (±0.3 ha), the orange shaded polygon shows the quarry pit (±2 ha), the green shaded area represents the disturbed general surface (±1.6 ha), and the red shaded polygon shows the processing plant (±5 754 m³). (Image obtained from Google Earth).</p>	
Site Coordinates:	28°24'44.18" S	S 26°43'37.23" E
	28°24'46.62" S	S 26°43'32.64" E
	28°24'49.91" S	S 26°43'31.86" E
	28°25'04.37" S	S 26°43'39.34" E
	28°24'57.48" S	S 26°43'53.11" E

PROJECT DESCRIPTION

The right holder mines the quarry for dolerite by blasting, using explosives in order to loosen the hard rock. The material is then loaded and hauled to the existing crushing, screening and washing plants where it is processed into different sized dolerite. The dolerite is stockpiled where after it is transported to clients using trucks and trailers via the existing access roads linking the farm to the R708. All activities are contained within the boundaries of the site.

SITE CONDITIONS

At the time of the inspection the climate was warm and sunny with moderate cloud cover. Due to sufficient rainfall from the previous days, the mining area were relative wet.

**ENVIRONMENTAL PERFORMANCE ASSESSMENT
LOUTERBRONNEN AGGREGATE QUARRY**

REPORTABLE ENVIRONMENTAL INCIDENTS

Incident Date:	N/A
Incident No:	N/A
Incident:	No Environmental Incidents at this stage
How addressed:	N/A
When addressed:	N/A

**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

**ENVIRONMENTAL PERFORMANCE ASSESSMENT
LOUTERBRONNEN AGGREGATE QUARRY**

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	5	1	Compliant	The EA (Ref No: FS 30/5/1/2/3/2/1/10040 EM has been issued on the 15th of May 2018.
Copy of the EA and EMPR available on site	5	1	Compliant	EMPR available on site. Copy of EA available on site.
Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002)	5	1	Compliant	The mining area has a valid Mining Right with Ref No: FS 30/5/1/2/2/10040MR
Mining Permit available on site	5	1	Compliant	
Mine plan annually reviewed	5	1	Compliant	As this mining right has only been issued within this year a review of the mine plan is not yet necessary.
National Environmental Management: Waste Act, 2008 (Act No 59 of 2008)	5	1	Compliant	
National Water Act, 1998 (Act 36 of 1998)	5	1	Compliant	The water, used in the existing washing plant, is extracted from a borehole on the property for which the Department of Water and Sanitation issued a General Authorisation for Section 21 (a), (e), (g) and (i) in terms of the NWA, 1998
GA Authorisation	5	1	Compliant	Available on site
National Environmental Management: Biodiversity Act, 2004 (Act No 10 of 2004) (NEM:BA)	5	1	Compliant	
Hazardous Substances Act, 1973 (Act 15 of 1973)	5	1	Compliant	

ENVIRONMENTAL PERFORMANCE ASSESSMENT LOUTERBRONNEN AGGREGATE QUARRY

Description	Compliance score	Non-Compliance Score	Status	Comments
Mine Health and Safety Act, 1996 (Act No 29 of 1996), read together with applicable amendments and regulations thereto including relevant OHSa regulations	5	1	Compliant	
National Heritage Resources Act, 1999 (Act No 25 of 1999)	5	1	In Progress	The construction of the fence around the heritage site (grave) site have been completed.
Mine Works Programme	5	1	Compliant	Available on site
Social Labour Plan	5	1	Compliant	Available on site
Regulation 42 Mine Plan (Updated)	1	3	In Progress	The mining contractor have appointed a land surveyor to assist in the compilation of such a Mine Plan
Copies of Financial Provision Calculation (updated) and Annual Performance Audit (EPA) present	5	1	Compliant	
Waste register and Permits for waste removal	5	1	Compliant	General waste is removed by the mine manager on a regular basis. A record keeping system has been put in place recently.
Complaints Register Present	5	1	Compliant	
Environmental Awareness training	5	1	Compliant	Site induction and environmental training have been done with the staff on the 30 th of June 2020.
ASPECTS OF THE AFFECTED ENVIRONMENT				
Topsoil: Overburden Management (EMP PG: 55, 97, 100)				
Topsoil stripping	5	1	Compliant	
Topsoil storage (heaps not exceeding 1.5 m)	5	1	Compliant	
Topsoil heaps that are stored for longer than 6 months: Naturally or artificially vegetated with, indigenous grass species.	5	1	Compliant	
Overburden stripped & stockpiled	5	1	Compliant	
Stockpiles monitored for erosion, weeds and foreign matter	4	2	Compliant	Due to favourable conditions some Invasive Alien Plants (<i>Xanthium spinosum</i> , <i>Datura ferox</i> and <i>Cirsium vulgare</i>) have started to establish on some of the stockpiled heaps and should be eradicated.
Topsoil returned to rehabilitated area	NA	1	NA	No rehabilitation has occurred up to date.
Vegetation (EMP PG: 57, 100, 103)				
Protected plants (if any) sheltered from mining activities	NA	1	NA	No protected, endangered or declining species have been recorded within the mining area.

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Description	Compliance score	Non-Compliance Score	Status	Comments
Removal of vegetation limited to smallest possible area	5	1	Compliant	
Aliens & weeds controlled on site	4	2	Compliant	Due to favourable conditions some Invasive Alien Plants (<i>Xanthium spinosum</i> , <i>Datura ferox</i> and <i>Cirsium vulgare</i>) have started to establish within the mining area and should be eradicated.
Fauna (EMP PG: 58, 59, 103):				
All animals, birds and reptiles protected on site.	5	1	Compliant	
Air Quality and Noise (EMP PG: 56, 98, 99):				
Dust monitoring plan implemented	5	1	Compliant	Dust monitoring on a monthly basis
Dust suppression implemented	4	3	In Progress	The mine has made notable progress in addressing the amount of dust pollution generated within the mining area, including wetting of access roads and stockpiled material. However, the mitigation of dust generated from some of the processing/crushing plants are still in progress.
Speed on access road limited to 40 km/h	5	1	Compliant	
Dust monitoring equipment operational	5	1	Compliant	
Speed on access road limited to 40 km/h	5	1	Compliant	
Mining equipment serviced regularly to ensure noise emissions are minimized	5	1	Compliant	
Noise control	5	1	Compliant	
Blasting vibration and blast noise monitoring implemented on site	5	1	Compliant	
I&AP and stakeholders informed prior to a blast.	5	1	Compliant	
Surface and Storm Water Management (EMP PG: 57, 101):				
Storm water Management Plan implemented on site	5	1	Compliant	
Storm water diverted around the mining area and access roads to prevent erosion	5	1	Compliant	
Mining conducted in accordance with the Best Practice Guidelines for small scale mining	5	1	Compliant	
Areas with erosion reinstated	NA	1	NA	No erosion features present at current time
Visual Exposure (EMP PG: 55, 97, 55):				
Is the contractor implementing good visual and housekeeping standards	5	1	Compliant	There is a marked attempt at improving the visual appearance of the mine.

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Description	Compliance score	Non-Compliance Score	Status	Comments
Height of product stockpiles determined based on the visibility of the site	5	1	Compliant	
Hazardous Chemical Management (EMP PG: 58, 102, 103):				
Hazardous material stored within a bunded area (110% capacity)	4	2	Compliant	The allocated storage area for hazardous waste is starting to reach its storage capacity. A registered hazardous waste removal company should be contracted to remove the waste as soon as possible. Records should be provided of the removal of this waste by a registered waste removal contractor.
Regular vehicle management is done at the workshop	5	1	Compliant	
Drip trays present when refuelling is done outside the service bay	2	3	Non-compliant	Vehicles are refuelled without the use of drip trays.
Mining equipment mechanically sound without visible oil leaks	4	3	Compliant	Numerous small oil spills have been noted around the mining area is likely due to a mechanically unsound mining vehicle.
Hazardous spills cleaned up, stored and disposed of according to the acceptable procedures and methods	4	3	Compliant Monitoring of Situation	Most of the spills recorded during the previous month's inspection have been cleaned up. However, numerous new spill have been recorded and should be cleaned up before the site closes down for the for the remainder of the year.
Hazardous waste removed by a registered waste handling contractor	4	2	Compliant	
Waste Management (EMP PG: 58, 102):				
Site free of day-to-day litter	5	1	Compliant	
Waste collected in sealable containers	5	1	Compliant	
General waste dumped at a recognised landfill site	5	1	Compliant	
No waste stockpile area allowed outside the boundaries of the mining area	5	1	Compliant	
Suitable covered receptacles available at all times and conveniently placed for the disposal of waste	5	1	Compliant	
Proper sanitation facilities available to employees	5	1	Compliant	
Potable Water and Ablution Facilities				
Ablution facilities available on site more than 200m from a watercourse	5	1	Compliant	

ENVIRONMENTAL PERFORMANCE ASSESSMENT LOUTERBRONNEN AGGREGATE QUARRY

Description	Compliance score	Non-Compliance Score	Status	Comments
Potable water available on site for use of workers	5	1	Compliant	
Effluent water from the camp washing facility disposed of in a French drain, situated more than 200m from a watercourse	NA	1	NA	
Fire Management				
Firefighting equipment available on-site	5	1	Compliant	
No open fires at mining site allowed	5	1	Compliant	
Mine and Equipment Management				
Mining area demarcated with visible beacons	5	1	Compliant	
Mining conducted within approved footprint area	5	1	Compliant	
Unnecessary surface disturbance avoided	5	1	Compliant	
Access Roads, Vehicle and Transporting of Material (EMP PG: 59, 104, 105):				
Access road maintained	5	1	Compliant	
Movement of project related vehicles and machinery restricted to the approved mining area	5	1	Compliant	
All trucks weighed before leaving the site in order to prevent overloading	5	1	Compliant	
Speed limits enforced within the mining area	5	1	Compliant	
Weighbridge slips filled on-site and are available for auditing	5	1	Compliant	
Employee and Safety Management (EMP PG: 59, 104):				
Workers inducted and informed of EMP conditions	5	1	Compliant	Site induction and environmental training have been done with the staff on the 30 th of June 2020.
Workers provided with PPE	5	1	Compliant	

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Description	Compliance score	Non-Compliance Score	Status	Comments
Appropriate notification signage erected at the mining site, warning the public about the hazard around the mining site and presence of heavy vehicles and machinery, as well as speed limits within the mining area.	5	1	Compliant	
Weather proof, durable, legible notices in at least three official languages applicable in the area displayed at the entrance to the site.	5	1	Compliant	
Effective access control to prevent unauthorised entry.	5	1	Compliant	
Surrounding land users informed of blasting events	5	1	Compliant	
Audible warning of a pending blast must be given at least 3 minutes in advance of the blast	5	1	Compliant	
Measures implemented to limit fly rock	5	1	Compliant	
Fly rock that falls beyond the working area collected and removed	5	1	Compliant	

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

No written response has been received from any I&AP or stakeholder during the audit period.

GENERAL REPORT

Compliance of the mining site with the EMP approved by DMR was reviewed during the site assessment. The mining area recorded a compliance score of 96.22 for the month of January 2020. Thus, there was thus a slight decrease in the compliance score from the previous inspections score of 98.11%.

- 87.8% of tasks were executed 100% according to EMP specifications;
- 7.6% of all tasks were executed at 80% achieving rate;
- 0% of all tasks were executed at 50%;
- 1% of all tasks were executed at 20%, whilst
- 0.3% of task were not executed in accordance with the EMP specifications.

The task that was not executed in accordance with the EMP specifications is:

- Legislation Compliance: Regulation 42 Mine Plan
 - **Description:** The mine map/plan in accordance with Regulation 42 was not present at the time of the inspection, however a land surveyor has visited the site and the compilation of the map is process.

FURTHERMORE

- Five activities have been identified which require compulsory mitigation namely:
 - Regulation 42 Mine Plan
 - *Recommended Mitigation:* The Mine Plan should be compiled as soon as possible
 - Dust management and suppression: The mine has made notable progress in addressing the amount of dust pollution generated within the mining area, including wetting of access roads, stockpiled material and some of the crushing plants. Wind barriers have also been installed on some of the crushing plants. However, the mine is still in the process of implementing/installing additional dust prevention measures.
 - *Recommended Mitigation:* The mitigation of dust generated from the remainder of the processing/crushing plants are still in progress and should be completed as soon as possible.
 - Drip trays used when refuelling is done outside the service bay: At the time of the inspection it was noted that drip trays are not used when refuelling with some spillage occurring on bare soil during the refuelling process.
 - *Recommended Mitigation:* The use of drip trays during refuelling should be mandatory.

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- Mining equipment mechanically unsound (leaking of oil):
 - *Recommended Mitigation:* The culprit mining vehicle responsible for the small oil spills should be identified and serviced (made sound).
- Hazardous spills: Even though all spills recorded during the previous month's inspection have been cleaned up numerous new small oil spills have been recorded during this inspection
 - *Recommended Mitigation:* The contaminated soil should be cleaned up and disposed of in an acceptable manner.
- **Two activities have been identified which require consideration of mitigation:**
 - Stockpiles monitored for erosion, weeds and foreign matter;
 - Alien Plants and Weeds controlled on site:

Due to favourable growth conditions, Category 1b Invasive Alien Plants (IAPs) have started to establish within the mining area including on some of the stockpiles. Such IAPs include; *Circium vulgare*, *Xanthium spinosum*, *Datura ferox*.

- *Recommended Mitigation:*
 - Within three weeks upon receipt of this report, a walk-through of the mining property should be conducted, wherein all affected (invaded) areas should be identified. These areas should then be cleared of these species with care taken not to allow the dispersal of seeds.

- **The remaining 71 activities (91%) occur sufficient enough and at acceptable levels, that:** no additional Mitigation Measures area required and the current active Mitigation Measures should only be maintained.

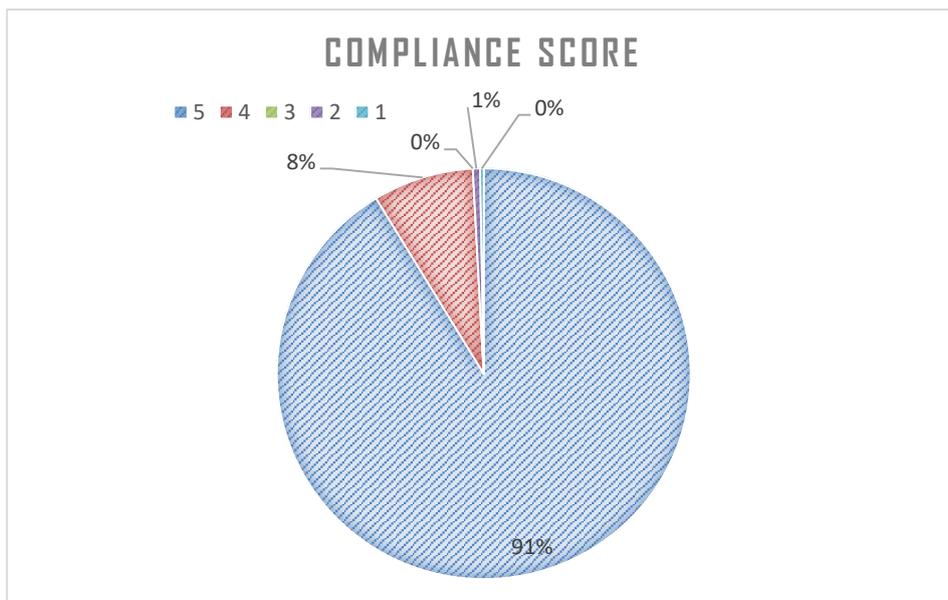


Figure 1: Compliance scores for all activities as listed within the approved Environmental Management Programme for the Louterbronnen Aggregate Quarry.

ENVIRONMENTAL PERFORMANCE ASSESSMENT LOUTERBRONNEN AGGREGATE QUARRY

NON-COMPLIANCE: URGENCY OF MITIGATION

- 3: Mitigation compulsory
- 2: Mitigation should be considered
- 1: Mitigation not needed / mitigation measures to be maintained

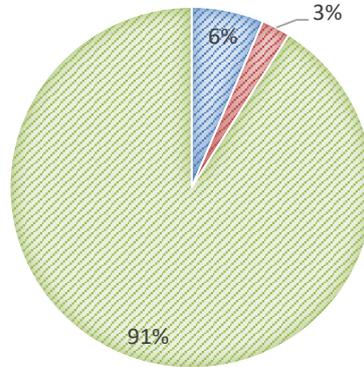


Figure 2: Degree of urgency in terms of mitigation for the listed non-compliance activities.

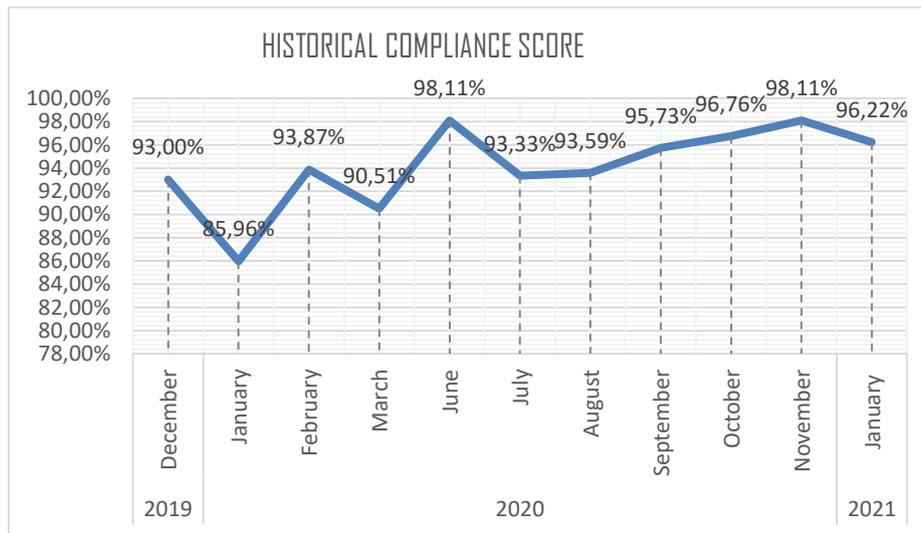


Figure 3: Historical compliance scores for the Louterbronnen Aggregate Quarry.

POSITIVE FINDINGS:

There is a marked attempt at improving the visual appearance of the mining site as well as to address the issues raised in the past through the most effective appropriate actions. Overall, the contractor was implementing relatively good visual and housekeeping standards and the effort is clearly visible.

- Clear signages are visible throughout the mining area
- Dust being monitored on a monthly basis.
- The contractor is currently in the process of installing dust suppression infrastructure.
- Water generated during the washing process are now recycled.
- The heritage site (grave site) have been fenced and is now protected.

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- Records of General and Hazardous waste removal are kept on-site.

NEGATIVE FINDINGS (TO BE ADDRESSED):

- Mine plan to be drawn up by land surveyor.
- Small oil leaks and the responsible mining vehicle: Numerous new small oil spills have been recorded within the mining area, and are the result of an unsound mining vehicle. These oil spills should be cleaned up and disposed of accordingly. Furthermore, the culprit mining vehicle should be identified and serviced (made sound) as soon as possible.
- Refuelling done without the use of drip trays.
- Establishment of invasive alien plants (IAPs)

DOCUMENT CHECKLIST:

<u>RELEVANT DOCUMENTATION</u>	<u>PRESENT ON SITE</u>	<u>COMMENTS</u>
Mining right	Yes	
Mine works programme	Yes	
Social and labour plan	Yes	
Approved EMPR	Yes	
EA	Yes	
Regulation 42 Mine Plan (annually updated)	No	
Financial Provision Calculation (2020)	Yes	Electronic copy
EPA (2020)	Yes	Electronic copy
Water use licence	Yes	
Waste register and Permits for waste removal	Yes	<ul style="list-style-type: none"> Records are kept of all hazardous waste being removed by a licenced waste removal company. It is recommended that some sort of record keeping is put in place for the removal of general waste.
Incidents register	Yes	
Complaints register	Yes	
Proof of environmental awareness training	Yes	
MSDS's vir chemicals	Yes	
Written notice to neighbours of each blasting event	Yes	
Appointment of an on-site ECO	Yes	
Emergency Preparedness Plan	Yes	
Invasive plant species plan (part of the EIAr and EMPr – appendix J)	Yes	

MATTERS TO BE ADDRESSED:

URGENT AND HIGH PRIORITY (WITHIN 1 OR 2 DAYS UPON NOTIFICATION):

- The small oil spills identified within the mining areas should be cleaned up and stored within the appropriate manner (sealable container within the bunded area for hazardous waste) as soon as possible (before mine closer for the remainder of the year).
- The mining vehicle responsible for the oil spills should be serviced (made safe) as soon as possible.
- Drip trays to be used when refuelling.

PRIORITY (WITHIN THE NEXT TWO MONTHS FROM THE DATE OF NOTIFICATION):

- Updating of the Mine Plan / Map in accordance with Regulation 42.

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- Completion of the installation of the dust suppression infrastructure.
- Eradication of Alien Invasive Plants (IAPs)

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

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

NEED FOR AMENDMENT OF THE EMP

No need for the amendment of the EMPR could be identified during the site assessment.

FINANCIAL PROVISION

The last quantum calculation compiled for the Louterbronnen Quarry was in June 2020 and the financial provision amount came to R592 994.58. The 2020 financial provision did not exceed the value of the bank guarantee in place with the DMR, and therefore the right holder was not required to provide a shortfall. The financial provision calculation was submitted to DMR.

ECO SIGNATURE

NAME:	SIGNATURE:	DATE:
Gerhard Botha		17 February 2020

PHOTOGRAPHS: GENERAL APPEARANCE AND PROGRESS

SCREENING AND CRUSHING PLANT



Oil spill

WASTE STORAGE

**ENVIRONMENTAL PERFORMANCE ASSESSMENT
LOUTERBRONNEN AGGREGATE QUARRY**



SERVICING, MAINTENANCE AND WASHBAY AREA



Newly constructed washbay

FUEL STORAGE AND REFUELLING AREA



Fuell spillage due to the absense of driptrays.

THE QUARRY

**ENVIRONMENTAL PERFORMANCE ASSESSMENT
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Stockpiled topsoil with numerous IAPs, mainly *Xanthium spinosum*

Datura ferox, growing on one of the stockpiled soil heaps

IDENTIFIED HERATIGE SITE (GRAVE SITE)



SETTLING POND



Note the establishment of the IAP, *Datura ferox* along the margins of the settling pond.

**ENVIRONMENTAL INDUCTION AND AWARENESS TRAINING
ATTENDANCE REGISTER**



ENVIRONMENTAL INDUCTION MEETING

Louterbronnen Quarry
BlazeCore

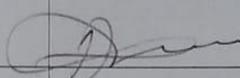
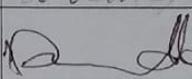
Attendance register for the environmental induction meeting conducted on the 30th of June 2020

NAME	SIGNATURE
WALTER SEMPE	
CHANCE MAKHUMBO	171 Calcutta
DAVID DIPHAE	
Lucas Mchitheka	Shuy
John Diphae	Diphae
SAM KADU	SPKADU
Seleasa J. Kannes	
thatholo Christopher	
ANDRIES GEORGE	
MCHITHEKA SHEPPERD	MS
Paulof od Wale	
Ernest PANA/INA	Er
MOTSAMAT Paulose	Pauli
MAKABA ISAAC	

the goal isn't to live forever, it is to protect a planet that will

**ENVIRONMENTAL PERFORMANCE ASSESSMENT
LOUTERBRONNEN AGGREGATE QUARRY**



NAME	SIGNATURE
Tshepo mampane	Tshepo
MAHLOMOLA DIPHOKO	ZACHARIA
Adam Likalame	
Tshepo mampane	Tshepo
Dlungamandla Isaac	

①

GENERAL WASTE REMOVAL REGISTER

Waste removed to landfill sight

Date: 27.1.21

Mass; 260KG.

Responsible Person; SD Nel

Weight Slip Must be attach

Any Comend

Waste was removed to landfill sight
From Blaaccor to Ihenissen landfill sight

Weight Slip Out

Blazecor Crusher
Reg no. 2020/021670/07
Vat no. 4730289618

Louterbronnen
Theunissen

(T) 0834556640 (F) 0867628559 (C) 0605692796 (E) quarry@stonecrushers.co.za

Transaction No 34396

Reg No FVZ889FS

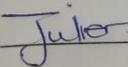
Date Time In 25/01/2021 09:34:27

Date Time Out 27/01/2021 13:38:46

Client MONO STONE
Driver JULIEN
Product VULLES
Del
Operator AMANDA
Order
Note

First Mass	2820	Kg
Second Mass	3080	Kg
Net Mass	260	Kg


Operator: Admin


Drivers Signature



ENVIRONMENTAL PERFORMANCE ASSESSMENT
LOUTERBRONNEN AGGREGATE QUARRY

Waste removed to landfill sight

Date; 25.1.21

Mass; 380K5

Responsible Person; SD Nel

Weight Slip Must be attach

Any Comend Waste was removed From Blazekor
to landfill sight at Thenssen

ENVIRONMENTAL PERFORMANCE ASSESSMENT
LOUTERBRONNEN AGGREGATE QUARRY

Vuilloed

Waste Management

Weight Slip Out

Blazecor Crusher
Reg.no. 2020/021670/07
Vat no. 4730289616

Louterbronnen
Theunissen

(T) 0034556640 (F) 0867628559 (C) 0605692746 (E) query@stonecrushers.co.za

Transaction No 34373
Reg No FYZ889FS
Date Time In 23/01/2021 08:37:49 Date Time Out 25/01/2021 09:00:42

Client MONOSTONE
Driver JULIEN
Product VUILLES
Del
Operator LEANDRI
Order
Note

First Mass	2840	Kg	
Second Mass	3220	Kg	
Net Mass	380	Kg	

Operator: Admin

Drivers Signature

ENVIRONMENTAL PERFORMANCE ASSESSMENT
LOUTERBRONNEN AGGREGATE QUARRY

HAZARDOUS WASTE REMOVAL

T 30220

Hazardous Waste Manifest

WASTE TRANSPORTER SAWIS REG No. **G P T - 0 0 - 8 2 5**



OILKOL (PTY) LTD
Reg. No. 1966/000425/07
VAT REG No. 4710101074

Head Office
P.O. Box 1126
Krugersdorp
1740

Emergency:
Tel: (086) 110 1961

Collections:
Tel: (086) 110 1961

Account Enquiries:
Tel: (011) 761 5720
Fax: (011) 762 4830
E-Mail: info@oilkol.co.za




ISO 14001:2015

Electronic Ref No. _____

Date: 05/11/20

Collector Code	Truck Code	Delivery Note	Date	
30054	393	310351	D	M
			05	11

PRODUCT	Quantity of Waste by Volume (Litres) or Weight (Kg)	Unit Price (Cents)	VALUE (VAT inclusive @ 15% if VAT registered)	
SDS Reference No.			Rands	Cents
Used Lubricating Oil	800			
Less WIS %				
TOTAL				
Used Engine Antifreeze				

DECLARATION:
Oilkol (Pty) Ltd declares that it received the waste as completed and classified by the generator so identified on this manifest.

Time: 1640 (19:30)

Tax Invoice T 30220

WASTE GENERATOR SAWIS REG No. _____

COLLECTED FROM	<u>Blazer's Chucker</u>		
GENERATORS ADDRESS	<u>28 Papietier Straat Heunissen</u>		
POSTAL CODE	<u>9410</u>	VAT REGISTERED (✓ appropriate block) YES <input type="checkbox"/> NO <input type="checkbox"/>	
CONTACT PERSON	<u>GD Nel</u>	TEL No. <u>083461667</u>	FAX No. _____

DECLARATION:
I hereby declare that the content of this load is as described under PRODUCT and in the relevant Safety Data Sheet. I certify that I have made every effort to ensure that the product is not contaminated with any other substances that would render it harmful to handle, transport or dangerous to the environment. The PRODUCT is in all respects in proper condition for transportation in accordance with the applicable laws and regulations. I have sold the above-mentioned goods and the details furnished herein are true and correct.

1. Cheque

2. Cash

3. EFT

4. M/End EFT

Authorized Signature for cash received: _____

WASTE GENERATOR: GD Nel

WASTE MANAGER SAWIS REG No. **G P R - 0 0 - 9 2 5**

EXOL OIL REFINERY (PTY) LTD
33 ADCOCK STREET Tel: (086) 100 3965
CHAMDOR (011) 769 2257
P.O. Box 1126 Fax: (011) 769 1779
Krugersdorp 1740 E-mail: exol@exol.co.za

SABS
ISO 14001

DECLARATION:
Exol Oil Refinery declares and certifies that it received the waste as completed and classified by the generator so identified on this manifest.

WASTE MANAGER

Print Name: _____ Signature: _____

Discrepancies	SG	WIS%
Transporter Delivery Note No.		
Licence No.	<u>12/9/11/P61</u>	
Type of Waste Management Applied	<u>R4</u>	

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Hazardous Waste Manifest

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ENVIRONMENTAL PERFORMANCE ASSESSMENT
LOUTERBRONNEN AGGREGATE QUARRY

Hazardous Waste Manifest T 30220

WASTE TRANSPORTER SAWIS REG No. **G P T - 0 0 - 8 2 5**



OILKOL (PTY) LTD
Reg. No. 1966/000425/07
VAT REG No. 4710101074

Head Office
P.O. Box 1126
Krugersdorp
1740

Emergency:
Tel: (086) 110 1961

Collections:
Tel: (086) 110 1961

Account Enquiries:
Tel: (011) 761 5720
Fax: (011) 762 4830
E-Mail: info@oilkol.co.za




ISO 14001:2015

A member of the Institute for Waste Management

Electronic Ref No. _____

Collector Code	30054	Truck Code	393	Delivery Note	310351	Date	05/1/20
PRODUCT	SDS Reference No.	Quantity of Waste by Volume (Litres) or Weight (Kg)	Unit Price (Cents)	VALUE (VAT inclusive @ 15% if VAT registered)			
Used Lubricating Oil	OATS1	800		Rands	Cents		
Less WIS %	%						
TOTAL	OATS1						
Used Engine Antifreeze	CATS1						

DECLARATION:
Oilkol (Pty) Ltd declares that it received the waste as completed and classified by the generator so identified on this manifest.

TIME:	H	H	M	M
(19:30)	1	6	4	0



WASTE TRANSPORTER

Print Name: *Stephen* Signature: *[Signature]*

Tax Invoice T 30220

WASTE GENERATOR SAWIS REG No. _____

COLLECTED FROM	<i>Blazecor Chucker</i>	GENERATOR ACCOUNT No.	13122
GENERATORS ADDRESS	<i>28 Papietier Straat Theunissen</i>	POSTAL AND PAYMENT ADDRESS	
POSTAL CODE	<i>9410</i>	POSTAL CODE	
CONTACT PERSON	<i>GD Nel</i>	TEL No.	<i>083441467</i>
E-MAIL ADDRESS		FAX No.	

VAT REGISTERED (✓ appropriate block) YES NO
If YES Insert VAT Reg. No. _____

1. Cheque	
2. Cash	
3. EFT	
4. M/End EFT	

Please sign if a cash payment was received for the waste. If you did not receive cash, then a cheque will be mailed to you. Kindly ensure that your postal address is correct.

Environmental Category

R

O

G

SIC Standard Industry Code

DECLARATION:

I hereby declare that the content of this load is as described under PRODUCT and in the relevant Safety Data Sheet. I certify that I have made every effort to ensure that the product is not contaminated with any other substances that would render it harmful to handle, transport or dangerous to the environment.

The PRODUCT is in all respects in proper condition for transportation in accordance with the applicable laws and regulations. I have sold the above-mentioned goods and the details furnished herein are true and correct.

WASTE GENERATOR

Print Name: *GD Nel* Signature: *[Signature]*

WASTE MANAGER SAWIS REG No. **G P R - 0 0 - 9 2 5**

EXOL OIL REFINERY (PTY) LTD
33 ADCKOCK STREET Tel: (086) 100 3965
CHAMDOR (011) 769 2257
P.O. Box 1126 Fax: (011) 769 1779
Krugersdorp 1740 E-mail: exol@exol.co.za

SABS
ISO 14001

DECLARATION:

Exol Oil Refinery declares and certifies that it received the waste as completed and classified by the generator so identified on this manifest.

WASTE MANAGER

Print Name: _____ Signature: _____

Discrepancies	SG	WIS%	
Transporter Delivery Note No.			
Licence No.	12/9/11/P61		
Type of Waste Management Applied	R4		

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