

GRANITE/SYNEITE MINE ON A PORTION OF PORTION 2 AND REMAINING EXTENT OF THE FARM AROAMS 57, AGGENEYS NORTHERN CAPE PROVINCE



ENVIRONMENTAL PERFORMANCE ASSESSMENT REPORT

REFERENCE NUMBER	NC 30/5/1/3/2/10746 MP
AUDIT PERIOD	MARCH 2023

Prepared For:
Lime Sales Ltd
Contact person: Mr H Barnard
Tel: 018 787 2010
Postal Address:
Po Box 160
Milnerton
7435



Prepared By:
Greenmined Environmental
Contact person: Mrs. M Saal
Tel: 021 851 2673
Cell: 079 979 8766
Fax: 086 546 0579
Postal Address:
Suite 62
Private Bag X15
Somerset West
7129



1. PROJECT SPECIFIC DETAIL

ITEM	MINING PERMIT HOLDER
Company Name	Lime sales Ltd
Contact Person	Mr. Henk Dippenaar
Tel Number	018 787 2010
Cell Number	079 323 8356 /074585 3700
E-mail Address	henk.di@sphgroup.co.za
Postal Address	P.O. Box 257 Milnerton 7435
ITEM	EA HOLDER
Company Name	Lime sales Ltd
Contact Person	Mr. Henk Dippenaar
Tel Number	018 787 2010
Cell Number	074585 3700
E-mail Address	henk.di@sphgroup.co.za
Postal Address	P.O. Box 160 Milnerton 7435
ITEM	CONSULTANT DETAIL
Company Name	Greenmined Environmental
Contact Person	Murchellin Saal
Tel Number	021 851 2673
Cell Number	079 979 8766
E-mail Address	Murchellin.s@greenmined.co.za
Postal Address	Postnet Suite 62 Private Bag x15 Somerset West 7129

ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY- LIME SALES

ITEM	LOCATION AND AREA INFORMATION
Site Name	Aroams Quarry 3
Property Description	Portion 2 of the farm Aroams 57 and Remaining Extent
Location	The mining area is situated on Portion 2 of the farm Aroams 57 approximately 20 km north-east of Aggeneys. The N14 borders the mining area approximately 2.5 km to the south. <i>(Overlapping previously mined areas)</i>
Size of Mining Area	NC 30/5/1/3/2/10746MP – 5 ha

DISCLAIMER

This report has been produced by Greenmined Environmental (Pty) Ltd., (hereafter “Greenmined”) with the skill and care ordinarily exercised by a reasonable Environmental Consultant at the time the services were performed. Further, and in particular, the Services were performed by Greenmined taking into account the limits of the scope of works required by the Client, the time scale involved and the resources, including financial and manpower resources.

Any and all intellectual property rights in this report remain the property of Greenmined. This report is produced exclusively for the purposes of the Client. Greenmined accepts no responsibility of whatsoever nature to third parties to whom this report, or any part thereof, is made known. Any third party relies upon the report at their own risk. Greenmined shall not be liable for any loss or damage caused by or arising out of the disclosure of this report to Authorities as required by legislation or circumstances over which Greenmined have no control, including, the use and interpretation of this report by the Client, its officials, their representatives, or agents. Furthermore, Greenmined hereby disclaims any responsibility to the Client and others in respect of any matter outside the scope of work as agreed in the relevant proposal.

None of the work performed during this project shall constitute or be represented as a legal opinion of any kind or nature but shall be a representation of the findings. No warranties or guarantees, expressed or implied, are included in or intended by the report, except that it has been prepared in accordance with the current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by professional consultants or firms that perform the same or similar services. Any reference to legislation in this report should not be perceived as a substitute for the provisions of such legislation. In the event of any inconsistency between this document and such legislation, the latter would prevail.

Whilst every endeavour has been made by the Greenmined to ensure that information provided is correct and relevant, this report is, of necessity, based on information that could reasonably have been sourced within the time period allocated to the assessment, and is, furthermore, of necessity, dependent on information provided by management and/or its representatives. It should, accordingly, not be assumed that all possible and applicable findings, observations and/or measures are included in this report as this report represents a sample of assessable parameters. As a subsequent event, should additional information become available, Greenmined reserves the right to amend its findings, observations, measures and executive summary.



ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY- LIME SALES



TABLE OF CONTENTS

1. PROJECT SPECIFIC DETAIL.....	2
2. ENVIRONMENTAL AUDIT REPORT	5
PROJECT DETAIL.....	5
DETAIL OF AUDITOR	5
SCOPE & PURPOSE OF ENVIRONMENTAL AUDIT	6
ASSUMPTIONS, UNCERTAINTIES OR GAPS IN KNOWLEDGE	6
LOCATION	6
PROJECT DESCRIPTION	8
SITE CONDITIONS.....	9
REPORTABLE ENVIRONMENTAL INCIDENTS.....	9
ADOPTED METHODOLOGY	9
INSPECTION ASPECTS	10
COMMENTS OR COMPLAINTS RECEIVED FROM I&AP'S	19
AUDITING OF EA, EMPR AND REPORTING THEREOF.....	19
GENERAL REPORT	19
ECO SIGNATURE.....	22
PHOTOGRAPHS.....	23


ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY- LIME SALES

2. ENVIRONMENTAL AUDIT REPORT

PROJECT DETAIL

Permit number:	NC 30/5/1/3/2/10746MP		Date of commencement:	January 2021
Site name:	Aroams Quarry		Inspection date:	30 March 2023
Contractor:	LIME SALES LTD		Other authorisations: Plant removal	FLORA 0002/2021
Report number:	9	DMRE submission:		
DMRE submission	2			

DETAIL OF AUDITOR *(APPENDIX 7 SUB-REGULATION 3(A) & (B)):*

ECO:	Murchellin Saal
EXPERTISE:	Mrs. MD Saal has 12 years of experience in environmental legal compliance audits, (GIS) geographic information system, mining right and permit applications and applications for environmental authorisations & Water use applications.
DECLARATION OF INDEPENDENCE:	<p>I Murchellin Saal Registration: 2021/4203 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 2017). <p style="text-align: center;"></p> <p style="text-align: center;">Signature of ECO Date: 5 April 2023</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 2017).

OBJECTIVE:

The objective of the environmental audit report (EAR) is to evaluate compliance of the operational activities with the Environmental Management Programme Report, 2014 (EMPR) as approved by the Department of Mineral Resources in 2015.

INSPECTED AREAS:

The inspection included an assessment of the following areas:

- Access road;
- Weighbridge with offices;
- Stockpile area;
- Crushing area;
- Storage and ablution facilities; and
- Quarry Pit

In order to establish the environmental compliance assessment of the operation the mining site was inspected on foot by the Environmental Control Officer, Murchellin Saal, of Greenmined Environmental accompanied by Henk Dippenaar.

ASSUMPTIONS, UNCERTAINTIES OR GAPS IN KNOWLEDGE

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

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

LOCATION

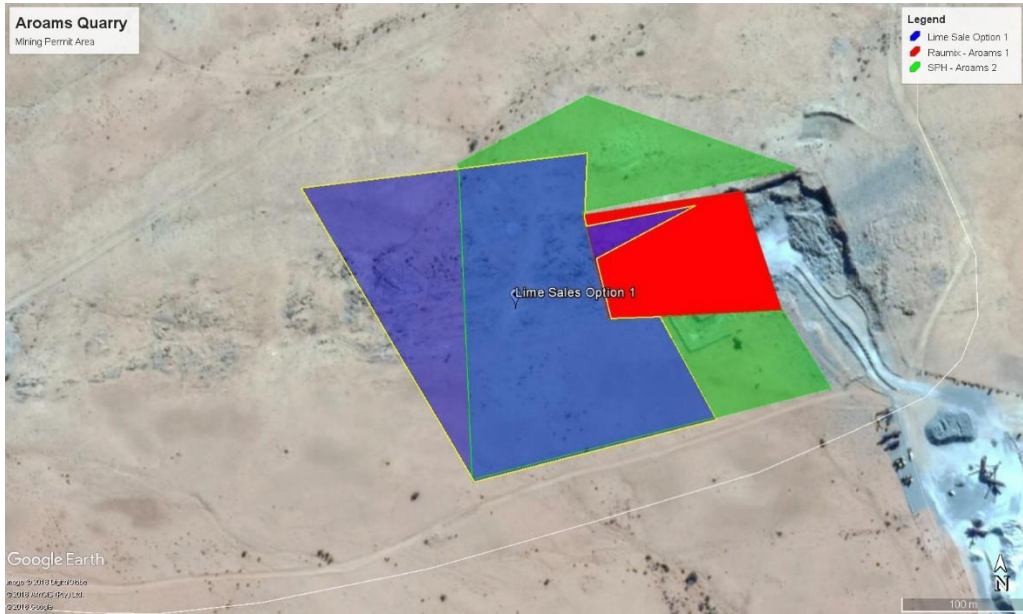
Site location:

The mining area is situated on Portion 2 of the farm Aroams 57 approximately 20 km north-east of Aggeneys. The N14 borders the mining area approximately 2.5 km to the south.

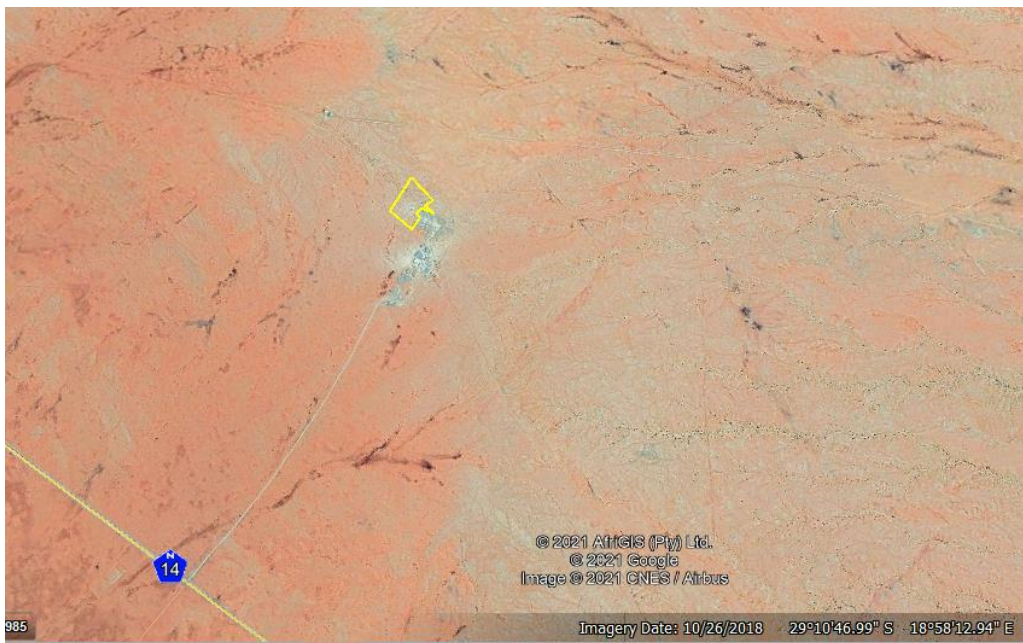
The area earmarked for the mining falls on a section of the farm that was previously used as an existing quarry. Lime Sales quarry is located over a section of the current SPH Kundalila Quarry whereby these mining permits will overlay each other.

The mining methods will make use of blasting means of explosives to loosen the hard rock, the material is then loaded and hauled out of the excavation, where primary crushing is conducted in the pit, to the mobile crushing and screening plants. Lime Sales will be using the existing processing area that SPH Kundalila have been using. Potential expansion (less than 1ha) of this proposed processing area will take place. The proposed site will include a section of the old Raumix Mining Permit area that was not utilized during the Raumix mining permit time.

ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY- LIME SALES



Site map:



Site Coordinates:

DECIMAL DEGREES	DEGREES MINUTES SECONDS
A – 29.169714°S; 18.991503°E	A 29°10'10.97"S 18°59'29.41"E
B – 29.169424°S; 18.993927°E	B 29°10'9.93"S 18°59'38.14"E
C – 29.169963°S; 18.993924°E	C 29°10'11.87"S 18°59'38.13"E
E - 29.170214°S; 18.994001°E	E 29°10'12.77"S 18°59'38.40"E
F - 29.170657°S; 18.994091°E	F 29°10'14.37"S 18°59'38.73"E
G - 29.170624°S; 18.994532°E	G 29°10'14.25"S 18°59'40.31"E
H - 29.171368°S; 18.994995°E	H 29°10'16.92"S 18°59'41.98"E
I - 29.171830°S; 18.992989°E	I 29°10'18.59"S 18°59'34.76"E

PROJECT DESCRIPTION

Aroams Quarry entails the extension of the existing quarry.

Lime Sales Limited holds an active Mining permit (Permit No: MP 15/2020) with reference number NC30/5/1/3/2/10746MP) for mining Granite/syenite over 5 ha of the above-mentioned property.

Mining for permit 10746MP commenced in January 2021.

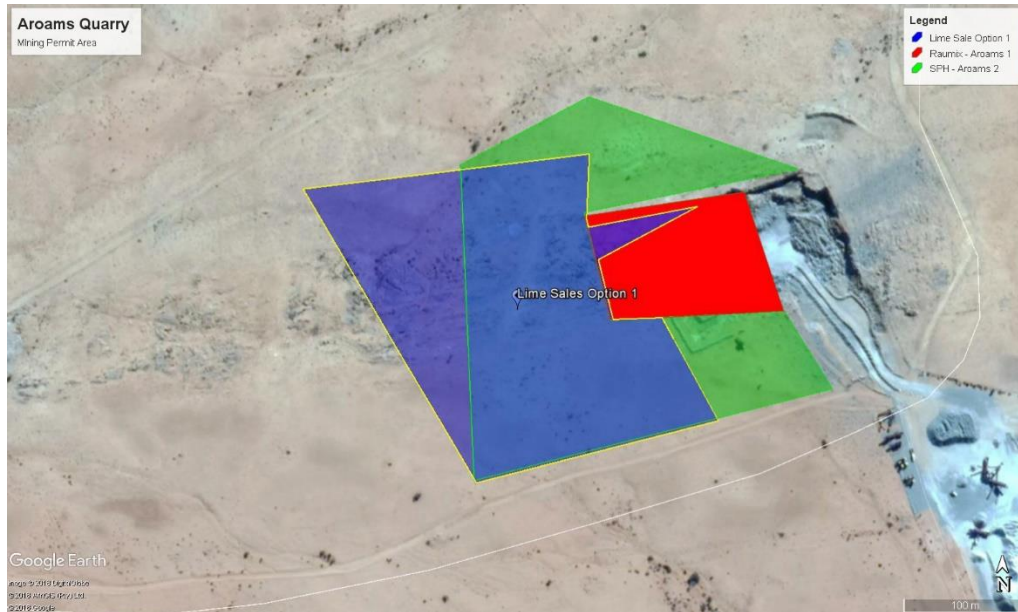


Figure 1: Location of the Lime Sales mining permit 10746MP (blue polygon) that this audit is based on. (Image obtained from Google Earth).

Green area shows the (previous permit held by SPHK) and Red areas shows the (previous permit area held by Raumix). These areas remain unclosed and will be transferred to the

The SPHK mining permit bordered a mining permit (Permit No: MP 006/2012, with reference number NC30/5/1/3/2/10052MP) which was held by Raumix Aggregates (Pty) Ltd (Raumix) over 1.5 ha of the property. A closure application for this permit was submitted to the DMRE upon lapse of the third renewal of the permit. However, as the SPHK mining area (10400 MP) took access through the Raumix permit area (10052MP) and made use of the same processing area, the closure application could not be finalised until such time as the SPHK mining area was rehabilitated.

In light of this, Raumix signed the rehabilitation liability of its permit (10052MP) over to SPHK who should rehabilitate the entire area (10400MP & 10052MP) upon lapse of the SPHK mining permit.

In 2021, A new mining permit came into effect for Lime sales permit 15/2020 this permit overlaps the previously mined areas and therefore a transfer of liabilities was submitted to DMRe in February 2021 from SPH Kundalila Pty Ltd Registration 1997/015857/07 to Lime Saled Ltd Registration: 1949/03356/06 from where it will eventually be taken over by Aroams Quarry Pty Ltd Registration: 2019115729/07.

ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY- LIME SALES

SITE CONDITIONS

Warm dry and sunny weather conditions.

REPORTABLE ENVIRONMENTAL INCIDENTS

INCIDENT DATE:	No environmental incidents were reported during the audit period.
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 EMPR
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 AROAMS 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 (as amended 2017)	N/A	-	N/A	DMRE deems the approved EMPR and MP of the quarry compatible with an Environmental Authorisation in terms of NEMA, 1998.
Copy of the EA and EMPR available on site	5	-	Compliant	Both EA and EMPR is available in the site file.
Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002)	5	-	Compliant	Lime sales mining commenced in January 2021.
Mining permit available on site	5	-	Compliant	A copy of the mining permit is available in the site file.
National Environmental Management: Air Quality Act, 2004 (Act No 39 of 2004)	N/A	-	N/A	The operations at the quarry does not trigger the NEM:AQA, 2004.
National Environmental Management: Waste Act, 2008 (Act No 59 of 2008)	5	-	Compliant	Although the operations does not require a waste use licence, refuse generated at the mine is handled in accordance with the NEM:WA, 2008.
National Water Act, 1998 (Act 36 of 1998)	5	-	Compliant	Water is obtained from the Municipal source, Sedibeng Municipality. Water is piped and stored in the 5 jojo tanks located at the workshop area.
Copy of Water Use Authorisation available on site.	N/A	-	-	Not applicable – Site makes use of Municipal Water
National Environmental Management: Biodiversity Act, 2004 (Act No 10 of 2004) (NEM:BA)	5	-	Compliant	Plant permit approved: Flora 0002/2021 No plants were visible at the time of inspection.

ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY- LIME SALES

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Hazardous Substances Act, 1973 (Act 15 of 1973)	5	-	-	At the time of the inspection, the chemicals were neatly stored and some bins were upgraded to a closed wheely bin. However as previously stated all bins must have closed lids, which the client was instructed to implement.
ASPECTS OF THE AFFECTED ENVIRONMENT				
TOPSOIL AND OVERBURDEN MANAGEMENT (EMPR PG 15, 45)				
Topsoil stripping and stockpiling done	5	-	Compliant	Where applicable the topsoil was stripped prior to commencement. However, the area has very little topsoil as the rock is found at surface level.
Topsoil storage (heaps not exceeding 2 m)	5	-	Compliant	
Overburden stripped & stockpiled	N/A	-	-	Due to the nature of the area no overburden needs to be stockpiled.
Topsoil heaps vegetated	5	-	Compliant	Plants established through succession on the stockpiles.
Stockpiles monitored for erosion, weeds and foreign matter	5	-	Compliant	Stockpiles are on levelled areas and regularly monitored for weeds, at the time of inspection the stockpiles appeared to be weed free and well mannered.
Topsoil returned to rehabilitated area	N/A	-	-	Not yet applicable.
VEGETATION (EMPR PG 16, 42, 46)				
Protected plants (if any) sheltered from mining activities	5	-	Compliant	All plants have been relocated to adjacent locations outside of mining area. At the time of inspection no new plants were visible and was confirmed with the plant specialist as the least visible time of year.
Removal of vegetation limited to smallest possible area.	5	-	Compliant	<ul style="list-style-type: none"> As discussed on site, only the footprint of the 5ha mining area may be cleared of vegetation. The client has remained within the boundaries. No natural (undisturbed) areas within the footprint of the processing area may be disturbed prior to the removal of the abovementioned protected plants.

ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY- LIME SALES

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
				<ul style="list-style-type: none"> The access road has been diverted behind the office building in line with the previous walkway. The access road is 4m wide and extended with 186m. Additional material will be stockpiled inside the quarry pit to prevent to ensure that the area size does not increase.
Aliens & weeds controlled on site	5	-	Compliant	The overall appearance of the site was free of weeds/invader plants.
No collection of fire wood allowed	5	-	Compliant	-
FAUNA (EMPR PG 17, 46)				
All animals, birds and reptiles protected on site	5	-	Compliant	No fauna has been encountered on-site as noted from the management. Also, the site management conducted the environmental inductions and covered the aspect of faunal protection on-site. Operation pit provides an escape route for trapped animals
Excavations daily monitored for trapped fauna	5	-	Compliant.	The site management conducts daily inspections, and this includes inspecting the areas for possible trapped animals. Operation pit provides an escape route for trapped animals
AIR QUALITY (EMPR PG 17, 41) AND NOISE (EMPR PG 42)				
Dust monitoring plan implemented	5	-	Compliant.	.
Dust suppression implemented	5	-	Compliant	Reports for 2022 to date confirmed no exceedance,
Speed on access roads limited to 40km/h	5	-	Compliant.	Speed signage boards are visible on the access roads.
Mining equipment serviced regularly to ensure noise emissions are minimized	5	-	Compliant.	At the time of inspection, some minor servicing was done with the necessary drip drays.
No load music permitted on site	5	-	Compliant.	-
Residents on the property and the surrounding area informed in any unusual noise activities are planned.	5	-	Compliant.	The last blasting was done on 20 July 2022 the adjacent landowner was notified. Furthermore, the site management issued the notification register and distributed it to all adjacent landowners for

ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY- LIME SALES

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
				signatures, as requested by the ECO, and all of this was found to be in order during the previous audit period.
ARCHAEOLOGICAL AND CULTURAL INTEREST (EMPR PG 16)				
Archaeological and/or cultural remnants protected	N/A	-	-	To date no archaeological and/or cultural remnants have been uncovered.
SURFACE AND STORM WATER MANAGEMENT (EMPR PG 17, 43)				
Storm water diverted around the mining area and access roads to prevent erosion	5	-	Compliant.	
Borehole metered and water use recorded	N/A	-	-	The site now only makes use of the Municipal water from Sedibeng..
Mining conducted in accordance with the Best Practice Guidelines for small scale mining	5	-	Compliant	-
Areas with erosion reinstated	N/A	-	-	No erosion concerns were noted on site.
VISUAL EXPOSURE (EMPR PG 16, 41)				
Is the contractor implementing good visual and housekeeping standard?	5	-	Compliant	At the time of the inspection the mining area was in pristine condition.
Height of product stockpiles determined based on visibility of site	5	-	Compliant	Due to the remote location of the quarry pit the visibility of the site is not of high importance. It was suggested that the product heaps rather be stored higher as it lessens the footprint area required.
HAZARDOUS CHEMICAL MANAGEMENT (EMPR PG 18)				
Hazardous material stored within a bunded area (110% capacity)	5	-	Compliant	Hazardous materials stored in bunded areas and was deemed sufficient at the time of inspection. An area was dedicated to the used oil that will be removed within the following week. The dedicated area was lined with plastic liner to ensure no accidental contamination takes place.

ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY- LIME SALES

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Management of fuel and oil spills	5	-	Compliant	<ul style="list-style-type: none"> Bunded areas of the generators, and diesel tanks are formalised with steel pans. The use of drip trays under all stationary vehicles is compulsory and is implemented to prevent spillages/dripping equipment contaminating the area.
Drip trays present when refuelling is done outside the service bay	5	-	Compliant	<ul style="list-style-type: none"> Drip trays were present under vehicles. At the time of inspection, no refuelling was done. However, the bowser nozzle was fitted with a drip tray and the surrounding area was visibly clean.
Temporary work bays for emergency repairs must be provided with a concrete floor or lining. Supplied with oil trap.	5	-	Compliant	<ul style="list-style-type: none"> When emergency repairs are needed on site, drip trays are used as a mitigation measure. All major services are done at Aggeneys. The construction of a workshop will take place once the MR is executed, currently awaiting a date from Dmre. Aroams.
Mining equipment mechanically sound without visible oil leaks	5	-	Compliant	This appeared to be true at the time of the inspection.
WASTE MANAGEMENT (EMPR PG 18, 44)				
Site free of day-to-day litter	5	-	Compliant	At the time of the inspection the housekeeping and litter management was in pristine condition.
Hazardous waste stored in a level area with impermeable floor	5	-	Compliant	Hazardous was stored in the correct manner. The waste to be removed was temporarily stored on plastic sheet until removal date is confirmed. No hazardous spills were noted on inspection date..
Hazardous and general waste stored separately	4	2	Partially Compliant	General waste was nearly stored, New wheely bins and lids were placed and the area looks neat.
General waste dumped at a recognised landfill site	5	-	Compliant	<ul style="list-style-type: none"> The general waste is discarded at the Aggeneys waste disposal area. The mine has various bins to assist with recycling. Proof of removal included in photo report.
Spill kits available on site	5	-	Compliant	Oil Spill kit drums were clearly marked and noticeable on-site.

ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY- LIME SALES

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
No waste burned on site	5	-	Compliant	-
Hazardous waste removed by a registered waste handling contractor	5	-	Compliant	<ul style="list-style-type: none"> • Oilkol removes used oil from the site. • Last removal was done on 29 September 2022, proof in photo report. • Sanco cleaned the septic tanks, 8 November 2022. • Bidvest removals were done 1 February 2023. Proof in photo report. • General Waste removals were done on 16 March 2023, proof attached in photo report. • The other hazardous waste (oily rags, contaminated soil etc.) is removed to Aggeneys.
Waste disposal permits on site	5	-	Compliant	
No waste stockpile area allowed outside the boundaries of the mining area	5	-	Compliant	-
Suitable covered receptacles available always and conveniently placed for the disposal of waste	4	2	Partially Compliant	Most bins were upgraded to wheely bins with lids. However, some bins were still open but were all within the capacity and well kept. Client was instructed to ensure all bins are covered.
Contaminated water contained and removed from site	5	-	Compliant	
Integrated waste management approach implemented on site	5	-	Compliant	-
POTABLE WATER AND ABLUTION FACILITIES (EMPR PG 18)				
Ablution facilities available on site	5	-	Compliant	Ablution facilities available at the workshop as well as the office and weighbridge area. Workers are allowed to make use of the ablution facilities at the office area as well.
Potable water available on site for use of workers	5	-	Compliant	Potable water available on site for use of workers. Proof in photo report.

ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY- LIME SALES

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Sewerage disposed of by a registered waste collector	5	-	Compliant	Latest septic tank cleaning was done by Sanco on the 8th of November 2022- proof of cleaning receipt included in photo report.
FIRE MANAGEMENT				
Firefighting equipment available on-site	5	-	Compliant	New firefighting equipment on site, proof of label included in photo report.
No open fires at mining site allowed	5	-	Compliant	-
MINE AND EQUIPMENT MANAGEMENT (EMPR PG 17)				
Mining area demarcated with visible beacons	5	-	Compliant	The extension area – 10746MP is marked and visible to all the workers on site. However, a request was made to the site manager to ensure that the boundaries are clear to everyone on site, longer poles will be used.
Mining conducted within approved footprint area	5	-	Compliant	Mining conducted within the approved Lime Sales MP 10746Mp, marked in blue in figure 1. The existing processing and stockpile area is still used as per agreement.in the 10040MP area and will not exceed the already disturbed area. An aerial photo in support of activities is included in the photo report.
Mine operational within hours as stipulated in the EMPR	5	-	Compliant	-
Public complaints register maintained on site	5	-	Compliant	-
Incident register maintained on site	5	-	Compliant	Environmental / Accident register completed and included in photo report.
Emergency preparedness plan implemented on site	5	-	Compliant	-
BLASTING (EMPR PG 43)				
Surrounding land users informed of blasting events.	5	-	Compliant	The last blast was set of in July 2022 and proof of notification is included in photo report, no recent blasting took place.

ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY- LIME SALES

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Measures implemented to limit fly rock.	5	-	Compliant	
Fly rock that falls beyond the working area, collected and removed.	5	-	Compliant	
ACCESS ROADS, VEHICLES AND TRANSPORTING OF MATERIAL (EMPR PG 17, 45)				
Access road maintained	5	-	Compliant	An extension to the access road leading to site was constructed behind the office building merging with the previous walk way. <ul style="list-style-type: none"> New walkways implemented at the parking bays, workshop and quarry areas. Extension of approximately 186m length and 4m width.
Vehicle repairs only conducted in service bay area, and waste products disposed of in containers/bins	5	-	Compliant	Minor services are done in the service bay area and all necessary precautions are taken.
Mining equipment serviced regularly to ensure noise emissions are minimized	5	-	Compliant	
All mining earth-moving equipment & vehicles operating within site boundaries preventing crisscrossing	5	-	Compliant	The new access roads allow for separation of heavy and light vehicles to prevent criss-crossings.
EMPLOYEE AND SAFETY MANAGEMENT (EMPR PG 43)				
No camping allowed on the mining area	5	-	Compliant	-
Workers inducted and informed of EMP conditions within last 12 months.	5	-	Compliant	Regular toolbox talks are aligned with conditions set out in the EMPr.
Proof of training available	5	-	Compliant	-
Workers provided with PPE	5	-	Compliant	-
Are there signs present, indicating the mining site and speed restrictions	5	-	Compliant.	All Signs are clearly visible at the entrance road, quarry area and overall mining site.

ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY- LIME SALES

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Effective access control to prevent unauthorised entry.	5	-	Compliant.	The site has a lockable entrance gate, security house and guard with a register to control access and prevent unauthorised entry.

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

No written comments or complaints were received from any of the surrounding I&AP's.

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

Date of previous EAR/EPA:	Lime sales commenced in January 2021.
Proof of submission to DMRE available:	March 2022 report was submitted to Dmre.
EAR/EPA compiled by independent person with environmental auditing expertise:	The previous ECO was compiled by Mrs Murchellin Saal of 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 report is available on site to be viewed by I&APs as well as the website of www.greenmined.co.za

GENERAL REPORT

Compliance of the mining site with the EMPR was reviewed during the site assessment. The mining area recorded a compliance score of 98% for March 2023 audit period.

Aroams Quarry3 commenced with initial mining for Lime Sales Ltd in January 2021.

The boundary of the quarry was neatly demarcated, and the fence extended to include the quarry and keep livestock from wandering into the mining area. A lookout point providing a clear overview of the entire quarry pit area is now in place. Client will extend the existing boundary markers with a more visible length pole.

Hazardous substances and waste handling:

The generators are fitted with formal bunds with a 110% capacity. No contaminated soil was seen on site. Drip was placed and visible under all stationary vehicles.

Protected Plants:

A Plant permit was approved – Flora 0002/2021.

The following plants of importance has to date been noted on site (refer to Photographs for examples):

- *Avonia papyracea* (Gansmis)- 29°10'21.02"S; 18°59'53.91"E
- *Crassula coralina* - 29°10'21.34"S; 18°59'54.14"E
- *Ebracteola spp.*-

ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY- LIME SALES

29°10'21.56"S; 18°59'54.35"E

29°10'25.01"S; 18°59'53.65"E

- *Mesembryanthemum guerichianum* (Soutslaai)
- *Hoodia gordonii* (Jakkalsghaap / ghobba / muishondghaap)

Plants were moved to the immediate adjacent location outside of mining area to ensure the safeguarding.

General:

The site was in pristine condition at the time of inspection, the salvage yard is well kept, and all storage areas were neat.

A lockable entrance gate, security house and guard with sign in register controls access and prevent unauthorised entry.

Dust Fallout dust monitoring:

Below is a list of the previous results from January 2022 to November 2022

Month	Unit 1	Unit 2	Unit 3	Unit 4
January – February	815 mg/m ² /day Compliant	839 mg/m ² /day Compliant	534 mg/m ² /day Compliant	385 mg/m ² /day Compliant
February - March	163 mg/m ² /day Compliant	68 mg/m ² /day Compliant	272 mg/m ² /day Compliant	60 mg/m ² /day Compliant
March – April	72 mg/m ² /day Compliant	99 mg/m ² /day Compliant	181 mg/m ² /day Compliant	110 mg/m ² /day Compliant
April – May	80 mg/m ² /day Compliant	97mg/m ² /day Compliant	97mg/m ² /day Compliant	140 mg/m ² /day Compliant
May – June	58 mg/m ² /day Compliant	69 mg/m ² /day Compliant	69 mg/m ² /day Compliant	72 mg/m ² /day Compliant
June- July	46 mg/m ² /day Compliant	44mg/m ² /day Compliant	299 mg/m ² /day Compliant	239 mg/m ² /day Compliant
July - Aug	134 mg/m ² /day Non-Compliant	252 mg/m ² /day Compliant	110 mg/m ² /day Compliant	129 mg/m ² /day Compliant
Aug - Sep	91mg/m ² /day Compliant	377 mg/m ² /day Compliant	226 mg/m ² /day Compliant	103 mg/m ² /day Compliant
Sep - Oct	158mg/m ² /day Compliant	465mg/m ² /day Compliant	171mg/m ² /day Compliant	77mg/m ² /day Compliant
Oct- Nov	69mg/m ² /day Compliant	336mg/m ² /day Compliant	37mg/m ² /day Compliant	228mg/m ² /day Compliant

DOCUMENT CHECKLIST (ENVIRONMENTAL FILE):

- Environmental Management Plan - Present
- Mining Permit - Present
- Regulation 2(2) Mine Plan - Present
- Financial Provision Calculation - Present
- Environmental Assessment Report - Present
- Incidents/Accidents Register - Present
- Complaints Register - Present
- Environmental Awareness Training - Present as part of the EMPR
- Proof of Waste Disposal
 - General Waste - Present
 - Hazardous Waste - Present
 - Liquid Waste - Present
- Fallout Dust Monitoring Reports - Present
- Hazardous Substances Inventory - Present
- Material Safety Data Sheets - Present
- Plant relocation and transport permit - Present

POSITIVE FINDINGS:

- Access is now controlled with a register to be signed by all entering the site.
- No soil contaminated bags were seen under the diesel bowser.
- Walkways are implemented around the site as well as in the Quarry pit.
- Drip trays were present under all stationed vehicles.
- Clear areas established for, parking, service, and diesel bowser.
- Lookout point allows for a clear view of the entire quarry pit.
- Salvage yards and storage areas cleared and now neatly stores material.
- No use of borehole, Using water from the Sedibeng/ Bloemwater Municipality.
- Housekeeping was very neat.
- No oil spills on site.
- Waste bins upgraded to closed wheely bins.

MATTERS TO BE ADDRESSED:

- The few bins that have not been upgraded to wheely bins must be fitted with lids,
- Client to improve the visibility of the boundary markers with longer marking poles.

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

It is believed that the EMPR adequately manage and/or mitigate environmental impacts at the mining area. The Lime sales permit does make provision for the addition of a workshop and wash bay.

ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY- LIME SALES

NEED FOR AMENDMENT OF THE EMPR:

No need for the amendment of the EMPR could be identified during the site assessment. The EMPR still adequately addressed the impacts that the mining activities could have on the receiving environment.

FINANCIAL PROVISION:

Transfer of Environmental Liabilities in terms of Regulation 58 of the Mineral and Petroleum Resources Development Act, 28 of 2002 for Mining permit and related infrastructural activities on a portion of portion 2 of the Farm Aroams no 57, was approved on 11 August 2021.

When the right takes over the client can apply for closure on both the SPH and Lime sales permits. A motivation must be included that explains the reasons why no rehabilitation can be done due to the right overlapping and taking over the entire mining permit area for both previous, SPH and Lime Sales.

The 2023 financial provision required to rehabilitate the mining area in accordance with the Guideline Document for the Evaluation of the Quantum of Closure-related Financial Provision by a Mine and as prescribed in terms of Regulation 54 (1) is R 160 821.31.

The 2022 financial provision does not exceed the value of financial guarantee in place at the DMR and therefore the Permit Holder does not have to provide a shortfall.

ECO SIGNATURE

NAME:	SIGNATURE:	DATE:
Murchellin Saal		5 April 2023

PHOTOGRAPHS

MINE ENTRANCE, ACCESS ROAD AND SIGNAGE BOARDS



OFFICE AREA & PARKING AREA



WEIGHBRIDGE

TEST RAMP



FORMALISED BUND AREA



FIRE EXTINGUISHER



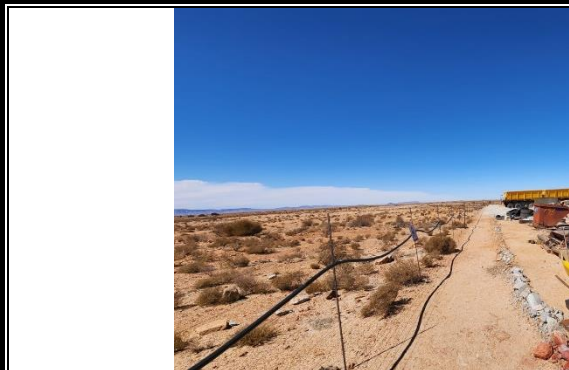
FORMALISED GENERATOR



TOILETS



UNDISTURBED AREA AND WALK WAYS

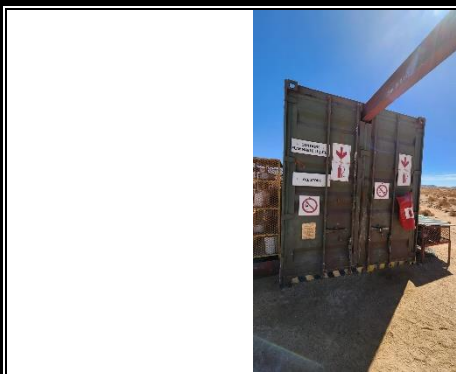


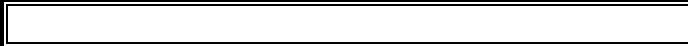
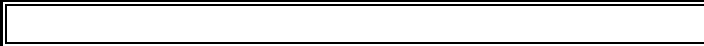
MACHINERY PARKING AREA WITH DRIP TRAYS



WORKSHOP AND STORAGE AREA







PROCESSING AREA AND STOCKPILE AREA



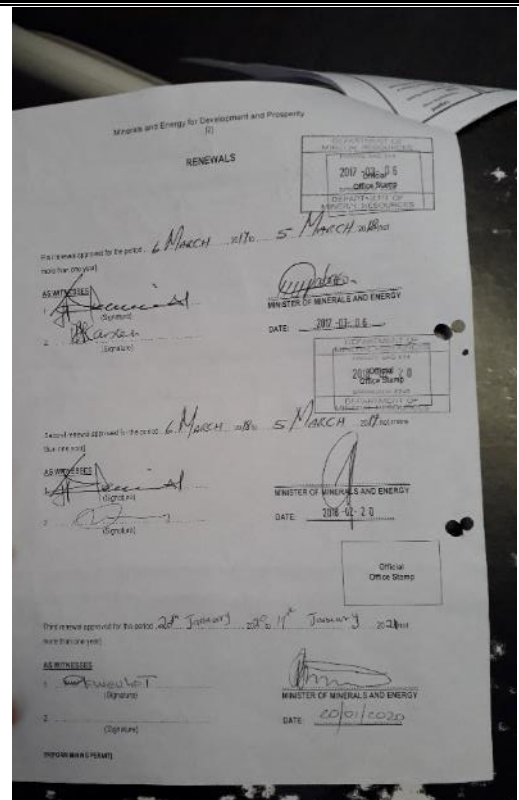
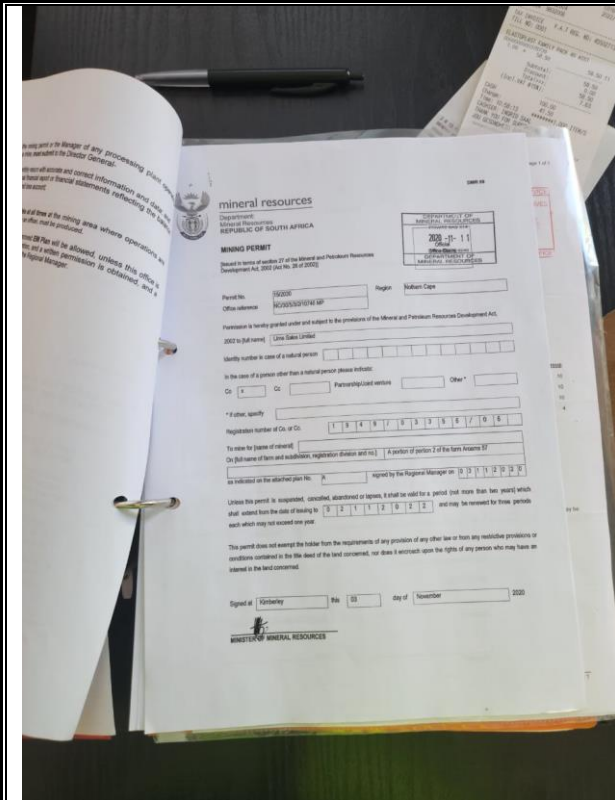
QUARRY PIT



JOJO TANK AND WATER FILL STATION

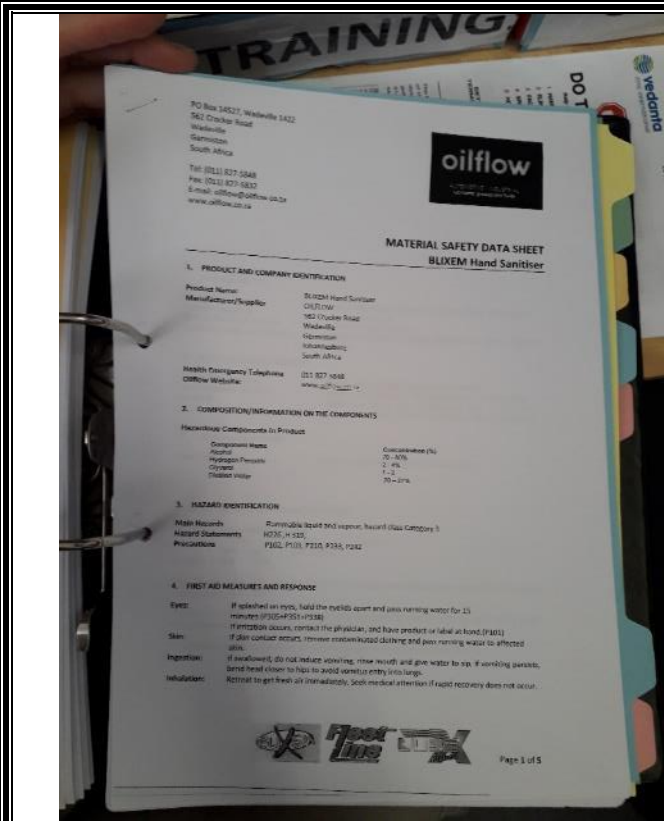


PROOF OF DOCUMENTATION- RENEWED MINING PERMIT



EXAMPLE OF A MSDS ON SITE

SITE ACCIDENT REGISTER



EXAMPLE OF A MSDS ON SITE

KINDOMILA

Accident Register

SPH BUNDALELA (PTY) LTD

Date of Incident / Time of Incident Ref	Full Name / Department	Age / Sex	ID / HR No	Cause of Incident / Injury	Working Area / Case	Type of Injury	No of days lost	Days lost in total	Claim Number
02/03/2023	Cheerline Bawa Comm 14 Deventer	27/51	89060172000	(08:10/09:00) - SWEET Treat - Loss of middle skin	Recreation Mitsiomas Mitsiomas Sport	N/A	N/A	N/A	N/A
17/03/2023	Cheerline Bawa Comm 14 Deventer	07/01	89060172000	P.D.I - Middle left thumb Punctured Acacia? a Gate	Recreation Mitsiomas Mitsiomas Sport	P.D.I	N/A	N/A	N/A
28.03.2023	Ferdinand Comm 14 Deventer	29/1/84	74010111001	MTC BEE STING	Top team workshop PRAMA Dumbe	MTC	N/A	26.0.005	N/A

SITE ACCIDENT REGISTER

PROOF OF USED OIL REMOVED FROM SITE – 29 SEPTEMBER 2022

Hazardous Waste Manifest

AD63046

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

OILKOL (PTY) LTD
 Reg No. 1966/090425/07
 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.

Collector Code	60025	Truck Code	445	Delivery Note	618448	Date	29/09/22
PRODUCT	SDS Reference No.	Quantity of Waste by Volume (Litres) or Weight (kg)	Unit Price (Cents)	WASTE DWT inclusive @ 15% if VAT registered			
Used Lubricating Oil	OATS1	2000	90	Rands			
Less WIS %	%			Cents			
TOTAL	OATS1			150000			
Used Engine Antifreeze	CATS1						

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

TIME (H:30) H H M M
 1 2 5 0

WASTE TRANSPORTER
 Print Name: *Gerit Mooker* Signature: *[Signature]*

Tax Invoice **AD63046**

WASTE GENERATOR SAWIS REG No.

COLLECTED FROM: *SPII ARGONS QUARRY* GENERATOR ACCOUNT No.

GENERATORS ADDRESS: *NEGAMYS* POSTAL AND PAYMENT ADDRESS

Blomhoek POSTAL CODE

VAT REGISTERED (✓ appropriate block) YES NO

IF YES Insert VAT Reg. No.

POSTAL CODE

CONTACT PERSON: *GMZ* TEL No. *0824916352* FAX No.

E-MAIL ADDRESS

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.

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

Environmental Category: *R* SIC Standard Industry Code

SIC Description

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 their details furnished herein are true and correct.

WASTE GENERATOR
 Print Name: Signature: *[Signature]*

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

EXOL OIL REFINERY (PTY) LTD
 33 ADCOCK STREET
 CHAMDOR
 P.O. Box 1126
 Krugersdorp 1740
 Tel: (086) 100 3065
 Fax: (011) 769 2267
 E-mail: exol@exol.co.za

Discrepancies: SG WIS%

Transporter Delivery Note No. 12/9/11/P61

License No. R4

Type of Waste Management Applied

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

WASTE MANAGER
 Print Name: Signature:

PROOF OF GENERAL WASTE REMOVAL FOR 2023



Registered Name: Bidvest Services (PTY) LTD
Reg. No. 2000911155/07

SPH Kundalila (Pty) Ltd
P O Box 45
Aggeneys
8893
Fazlin Esau

Document Type:
Document No.:
Date:
Page:

Branch

Bidvest Steiner
Munition
8 Schroder Street
Upington
8800

8 Schroder Street
Upington

☎ 05438880
☎ 0540308733
Wh No: 48102767

Physical Address

Aroams Quarry
Aggeneys
8893
Trading as:
SPH Aroams Quarry

Debtor ID	Purchase Order No.	Customer Vat No
377997	AQ205628	4880170882

Code	Description	Qty	Unit
17987	Bin Wall Mounted Small White	3.00	
18934	Paper Towel Dispenser Silver/White	3.00	
17312	Sho Bin Pedal Intima White (Fortnightly)	1.00	
12367	Wipe Dispenser Sho Bag Flat Pack White	1.00	
23880	Paper Towel SH 1ply (150m)	6.00	
13630	Sho Packs 1 x 50	1.00	
28376	Glove and Mask Disposal Box Service 1428 (Fortnly)	1.00	

Credit Code: Aroams Quarry
Allocate: Contract EHP
GNR/CNR: Date: 01.03.2023
Approval: [Signature]

Standard Bank
063994160
051001

Payment Terms:
30DaysNet

Subtot
Disacc
Vat
Total

SPH Kundalila
Aroams
Aggeneys

Tel : 0549832772 Fax : E-mail :

Transaction ID	Entry
2017	3/16/2023

Vehicle	Trailer 1	Trailer 2	Exit
P1043			3/16/2023

Customer	Supplier	Product	Product Code	Hauler
AROAMS QUARRY	SPH	WASTE		

Transaction Info		Seal Numbers	T
Supplied Weight 0		1	1
Supplied Ticket		2	2
Purchase Order		3	3
Delivery Number		4	4
Transaction Type	Receive		

Remarks :

Tare Weight	Gross Weight
1780 kg	1920 kg
Nett Weight	
140 kg	

[Signature]
Driver Signature

User : Operator Transaction Mass : Auto Scale Mass Weighed At :
Cargo/Weigh by Mass/Scale

PROOF OF SCRAP REMOVAL

**SPH Kundallila
Aroams
Aggeney's**



Tel : 0549832772 Fax : E-mail :

Transaction ID 1783			Entry Date 11/18/2022 12:29:37 PM		
Vehicle CKH226NC	Trailer 1	Trailer 2	Exit Date 11/18/2022 1:52:15 PM		
Customer MED SCRAP	Supplier SPH	Product SCRAP	Product Code 89	Hauler	Destination SPRINGBOK
Transaction Info		Seal Numbers	Tank Numbers		
Supplied Weight 0		1	1		
Supplied Ticket		2	2		
Purchase Order		3	3		
Delivery Number		4	4		
Transaction Type	Receive				
Remarks :					

Tare Weight Gross Weight
7280 kg 12500 kg

Nett Weight
5220 kg

Driver Signature

Operator Signature

User : Operator's Transaction Mass : Auto Scale Mass Weighed At :
CargoWeigh by MaskrolScale

Page No: 1
Registered To: SPH Kundallila

SANCO REMOVAL – 8 NOVEMBER 2022

TENT-RENT COMPANY DELIVERY / SERVICE NOTE
FROM TENT RENT COMPANY INC TOILETS VIA SANCO

TO: **SPH Kundallila**

DATE: 08/11/2022 SITE: Quarry CONTACT: Gail

Waste Removal: 7000 l

NOTES: 15:32

TENT RENT / SANCO: *Lizel & Raymond* CLIENT: *Aggeney's*

LIPINGTON HQ: 054 332 1183 | lipington@sanco.co.za

SPRINGBOK: 027 712 1073 | springbok@sanco.co.za

POSTMASBURG: 053 492 3183 | postmasburg@sanco.co.za

DIBENGI KATHU: 053 492 3183 | dibeng@sanco.co.za

DE AAR | PRIESKA: 082 931 4669 | deaar@sanco.co.za

BIDVEST STEINER PROOF OF REMOVAL

Diverse Tools

Route: H2 / 2
377897
SPH Kundallila (Pty) Ltd
SPH Aroams Quarry

Service Date: 21-Sep-2021 Tel: 083 636 0959

Ticket Number: H06-R0-105165

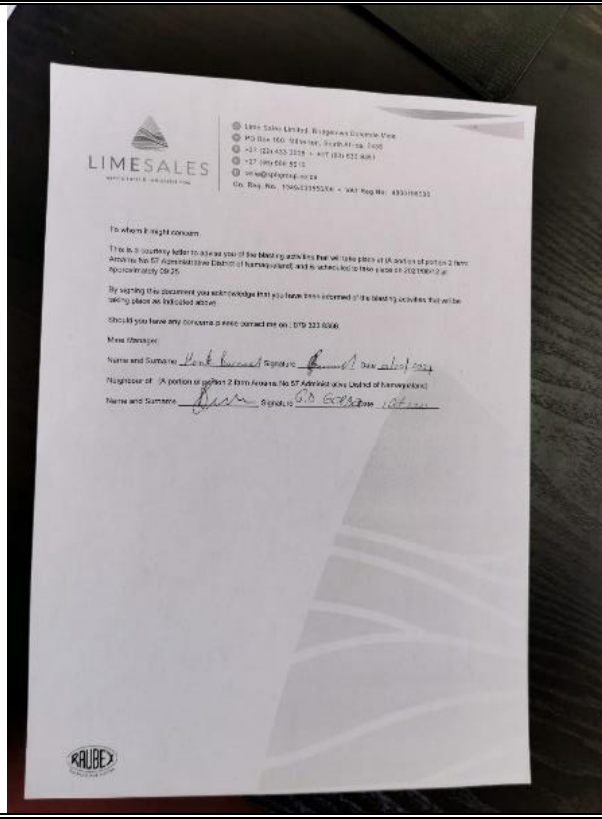
Product Id	Product Description	Req Qty	Res Qty	Cycle	Cycle Week	Product Id	Product Description	Req Qty	Res Qty
16460	Caplini Ties	1	0	2	A	28375	Glove and Mask Disposal Box 1420	1	0
28376	Glove and Mask Disposal Box Service	1	0	2	A	15152	Liner Box 1426 40mic	1	0
20282	She Bin Liner Roll Fragranced 20mic	1	1	2	A				

Date: 21/09/21 CSOHSP Name & Signature: *Jason*

PLEASE ENSURE THAT ALL ITEMS LISTED ARE CHECKED

0860 10 11 80 | info@steiner.co.za | www.bidveststeiner.co.za

BLASTING NOTICE – 20 JULY 2022



TRANSFER OF ENVIRONMENTAL LIABILITIES



mineral resources
& energy

Department
Mineral Resources and Energy
REPUBLIC OF SOUTH AFRICA

Private Bag X 16 Springbok, 8240; Tel: 0277128160; Fax: 0277121998
1st Floor Hopley Building, Van der Stig Street, Springbok 8240

Enquiries: Deidre Karsten Ref No: NCS 30/5/1/3/3/2/1 (10400) MP
E-mail address: Deidre.Karsten@dmr.gov.za
Mine Environmental Management

SPH Kundalila (Pty) Ltd
Private Bag x 15
SOMERSET WEST
7129

APPLICATION FOR TRANSFER OF ENVIRONMENTAL LIABILITIES IN TERMS OF REGULATION 58 OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 28 OF 2002 FOR MINING PERMIT AND RELATED INFRASTRUCTURAL ACTIVITIES ON A PORTION OF PORTION 2 OF THE FARM AROAMS NO 57 SITUATED IN THE MAGISTERIAL DISTRICT OF NAMAQUALAND NORTHERN CAPE REGION.

I, **Rebone Nkambule**, in my capacity as Chief Director: Mineral Regulation (Central Regions), by virtue of powers delegated to me in terms of section 103 (1) of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002), by the Minister of Mineral Resources and Energy of the Republic of South Africa hereby approve that **SPH Kundalila (Pty) Ltd NCS 30/5/1/3/3/2/1(10400)** may transfer environmental liabilities as stated the agreement attached to **Lime Sales Limited (Pty) Ltd NCS 30/5/1/3/3/2/1(10746)** on a portion of portion 2 of the farm **Aroams no 57**, situated in the **Magisterial District of Namaqualand** terms of Regulation 58 of the Act.

CHIEF DIRECTOR: MINERAL REGULATION
CENTRAL REGIONS

DATE: 11 August 2021

Please quote this office file number for any correspondence as reference

NCS 30/5/1/3/3/2/1(10400) MP

TRANSPORT AGREEMENT BETWEEN FARMER AND CONTRACTOR FOR MATERIAL TO BE TRANSPORTED ON FARM TO RESERVOIR



• Lime Sales Lierkes, Aroams Quarry
• PO Box 193, Middelton, South Africa, 7433
• +27 (21) 527 6293 • +27 (82) 481 4302
• +27 (76) 323 6336
• hwk@lcs.sphgroup.co.za
• Co. Reg. No. 134933200/08 •
• VAT Reg No: 480010804 5

Wie dit mag aangaan:

Re: **TRANSPORT VAN G5 MATERIAAL VAN QUARRY NA HOEFYSTER RESERVOIR.**

Hiermee gee ek, Gideon Daniel Gerber, vir SPH Kundallila(Pty)Ltd toestemming om G5 materiaal vanaf die Aroams Quarry Stockpiles aan te ry oor my grond na die Hoefyster Reservoir projek.

SPH Kundallila(Pty)Ltd sal verantwoordelik wees vir die onderhoud op die pad, asook toegangs beheer op die roete toepas.

Die roete word hieronder op Google getoon.



Geteken: Aroams

GD Gerber

Datum 07/03/2023

HJ Barnard

Datum 07/04/2023

H Dippenaar

Datum 07/03/2023





ASPASA

ISHE

(Initiating Safety, Health & Education)

Accreditation

This is to certify that

SPH KUNDALILA - AROAMS

has been awarded

4 SHIELDS (81.72%)

in the **ASPASA ISHE** audit programme

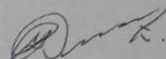
for

2022



2nd August 2022

Date


MZ van Deventer

www.aspasa.co.za

MINE PLAN

