CONTRACT NO: C918

FINAL PERFORMANCE ASSESSMENT REPORT

(REGULATION 55)

&

ENVIRONMENTAL RISK REPORT

(REGULATION 60)

&

CLOSURE PLAN

(REGULATION 62)



DEPARTMENTAL REFERENCE NUMBER:	WC30512321(105)BP	
REPORT DATE:	21 May 2020	

Prepared For:

WCPA: Department of Transport and Public Works; Roads Infrastructure Branch (Authorisation holder) Contact person: Mr L Truter PO Box 2603 Cape Town 8000

On behalf of:

Roadmac Surfacing Cape (Pty) Ltd (the contractor)

Contact person: Mr Q Maurice Tel: 027 219 1787 Cell: 073 249 5220 58 Range Road Blackheath 7581

> P.O. Box 1339 Brackenfell 7561

Prepared By:

Greenmined Environmental Contact person: Mrs S Smit Tel: 021 851 2673 Cell: 084 5855706 Fax: 086 546 0579 Postal Address: Suite 62 Private Bag X15 Somerset West 7129







ABBREVIATIONS

BP	Borrow Pit
DMRE	Department of Mineral Resources and Energy
DWS	Department of Water and Sanitation
EA	Environmental Authorisation
EAP	Environmental Assessment Practitioner
ECO	Environmental Control Officer
EMP	Environmental Management Programme
I&AP's	Interested and Affected Parties
MPRDA	Minerals and Petroleum Resources Development Act, 2002

Executive summary

Roadmac Surfacing Cape (Pty) Ltd (the contractor) has appointed Greenmined Environmental (Pty) Ltd (GM) to attend to the closure application of the associated borrow pits, developed for the abovementioned upgrade and maintenance of Trunk Road between Oudtshoorn and De Rust, in the Western Cape Province. The borrow pits to form part of this closure application is as follows: TR3303/7.2/0.75L, TR3303/13.9/0.2R and TR3303/19.8/0.4R, which closure will be conducted in terms of the Mineral and Petroleum Resources Development Act, 2002 (as amended) and the National Environmental Management Act, 1998 (as amended), keeping in mind the provisions contained in the approved Environmental Management Program done by CCA Environmental (Pty) Ltd dated 2014 (hereafter referred to as EMP).

The three borrow pits are in the Oudtshoorn vicinity at the following locations:

- Borrow pit (BP) 1, also referred to as TR3303/7.2/0.75L, is situated to the north of TR33/3 approximately 7 km east of Oudtshoorn on Portion 6 of Farm Stolsvlakte 140. This BP was previously disturbed and as it was not used by the contractor on this project, rehabilitation (as per the approved EMP) was completed after the initial inspection and proof thereof is included in this report.
- 2. BP 2, also referred to as TR3303/13.2/0.03L, is situated to the north of TR33/3 approximately 13 km east of Oudtshoorn on Portions 49 and 119 of Farm Vanwykskraal 117 Fully rehabilitated.
- 3. BP 3, also referred to as TR3303/19.8/0.4R, is situated to the south of TR33/3 at Dysseldorp on Erf 975, known as Bluepoint/Dysseldorp commonage Fully rehabilitated.

Way forward

The rehabilitation activities outstanding in the previous report dated 21 March 2020 has been addressed by the contractor and results thereof is included in this document for consideration, upon which the Minister's delegated authority, the Regional Manager, is required to decide as to whether the closure certificate is to be granted.

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1. PROJECT SPECIFIC DETAIL

ITEM	AUTHORISATION HOLDER	
Company Name	WCPA: Department of Transport and Public Works; Roads Infrastructure Branch	
Contact Person	Mr L Truter	
Tel Number	021 483 2020	
Postal Address	PO Box 2603	
	Cape Town 8000	
ITEM	CLIENT DETAIL	
Company Name	ROADMAC SURFACING CAPE	
Contact Person	Quinton Maurice	
Tel Number	027 219 1787	
Cell Number	073 249 5220	
E-mail Address	<u>quinton@road-mac.co.za</u>	
Postal Address	P.O. Box 1339 Brackenfell 7561	
ITEM	CONSULTANT DETAIL	
Company Name	Greenmined Environmental	
Contact Person	Sonette Smit	
Tel Number	021 851 2673	
Cell Number	084 5855706	
E-mail Address	Sonette.s@greenmined.co.za	

Postal Address	Postnet Suite 62 Private Bag x15 Somerset West		
	7129		
ITEM	LOCATION AND AREA INFORMATION – BORROW PIT 1 (BP1) TR3303/7.2/0.75L		
Site Name	BORROW PIT BP1 – TR3303/7.2/0.75L		
Property Description	Portion 6 of the Farm Stolsvlakte 140		
Location	BP 1 is an extension of an existing borrow pit located on Portion 6 of the Farm Stolsvlakte 140, in the Oudtshoorn Local Municipality, which forms part of the Garden Route District Municipality in the Western Cape Province. It is situated approximately 750 m north of TR33/3 and 7 km east of Oudtshoorn.		
Land owner	Hannes Terblanché Boerdery Trust		
Contact person	Mr JH Terblanché		
Address:	PO Box 448, Oudtshoorn 6620		
Telephone:	044 272 0442 / 082 451 7207		
Title deed information:	T2344/2014		
Size of the property:	114.169 (ha)		
Size of Mining Area	The total area expropriated is 4.77 ha, while the mined borrow area was approximately 2.04 ha in extent, with an overall average excavation depth of 2.3 m.		
ITEM	LOCATION AND AREA INFORMATION – BORROW PIT BP2 – TR3303/13.2/0.03L		
Site Name	BORROW PIT BP2 – TR3303/13.2/0.03L		
Property Description	Portions 49 and 119 of Farm Vanwykskraal 117		

Location	BP 2 is on Portions 49 and 119 of the Farm Vanwykskraal 117 in the Oudtshoorn Local Municipality, which forms part of the Garden Route District Municipality in the Western Cape Province. It is situated approximately 13 km east of Oudtshoorn between TR33 and the parallel running railway line on a medium level alluvial terrace	
Land owner	Hannes Terblanché Boerdery Trust	
Contact person	Mr JH Terblanché	
Address:	PO Box 448, Oudtshoorn. 6620	
Telephone:	044 272 0442 / 0824517207	
Title deed information:	T2344/2014	
Size of the property:	37.632 ha and 11.863 ha	
Size of Mining Area	The total area expropriated is 1.999 ha, while the mined area was approximately 1.6 ha in extent, with an overall average excavation depth of 2.5 m.	
ITEM	LOCATION AND AREA INFORMATION – BORROW PIT BP3 – TR3303/19.8/0.4R	
Site Name	BORROWPIT BP3 – TR3303/19.8/0.4R	
Property Description	Erf 975, Dysselsdorp, known as Bluepoint/Dysseldorp commonage	
Land owner	Garden Route District Municipality	
Contact person	Municipal Manager	
Address	15 Regent Street, Oudtshoorn, South Africa, 6620	
Telephone	044 272 2241	
Title deed information	T22671/1983	
Size of the property	81.693 Ha	

Location	BP 3 is an extension of an existing borrow pit located on Erf 975, Dysseldorp in the Oudtshoorn Local Municipality, which forms part of the		
	Garden Route District Municipality in the Western Cape Province. The		
	site forms part of an erf also known as Bluepoint or the Dysseldorp commonage that belongs to the Garden Route District Municipality. It is		
	situated approximately 2.5 km north-west of Dysseldorp and 20 km north-east of Oudtshoorn, with TR33 running approximately 400 m to the north.		
Size of Mining Area	The total area expropriated is 6.09 ha, while the mined borrow area were		
	approximately 2.42 ha in extent, with an overall average excavation depth of 2.6 m.		

2. FINAL PERFORMANCE ASSESSMENT REPORT

{Regulation 55(9)}

PROJECT DETAIL

Site Names / Reference	BORROW PIT BP1 – TR3303/7.2/0.75L	Date of Commencement:	August 2018
Numbers:	 BORROW PIT BP2 – TR3303/13.2/0.03L BORROWPIT BP3 – TR3303/19.8/0.4R 	Inspection Date:	19 March 2020
Authorisation Holder:	WCPA: Department of Transport and Public Works; Roads Infrastructure Branch	Report Number:	Closure Report – Revision 1
Environmental Control Officer:	Sonette Smit	Other Authorisations:	N/A

DETAIL OF AUDITOR

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

ECO:	Sonette Smit		
EXPERTISE:	Mrs. S Smit has fourteen 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:	I will perform the work relating to the audit in an objective manner, ev		

	 I have expertise in conducting environmental compliance audits, includin 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, 2017.		
	Ris		
	OP		
	Sonette Smit	Date: 21 May 2020	

SCOPE & PURPOSE OF ENVIRONMENTAL AUDIT

(APPENDIX 7 SUB-REGULATION 3(C))

This final performance assessment report/environmental audit report was compiled in terms of the requirements of the NEMA EIA Regulations, 2014 (as amended 2017).

OBJECTIVE:

The objective of this report is to evaluate compliance of the mining activities with the Environmental Management Plan (EMP) as approved by the Department of Mineral Resources.

INSPECTED AREAS:

The mining areas were inspected on 19 March 2020 by Greenmined Environmental (Pty) Ltd. The mining areas where found to be 98% compliant.

The mining activities ceased and two of the borrow pits were rehabilitated, a suitably experienced Landscaping Contractor/Horticulturist who is familiar with the local vegetation was appoint to revegetate the borrow pits - to commence 23rd of March 2020. Proof will be send submitted to DMRE (Western Cape) once completed.

Borrow pits 2 and 3 are free draining, were rehabilitated and storm water management implemented. Borrow pit 1 – Storm water management is being addressed and proof hereof will be submitted to DMRE (Western Cape) once completed. As per the EMP dated 2014 this is an existing excavation, and located

in a dry, low rainfall area with a low risk of extended runoff accumulating in the proposed excavation. The natural topography of the area is gently sloping, which could assist with drainage to some extent. The borrow pit floor consist of an artificial wetland, therefore free-draining of this pit is not recommended. It is proposed that berms diverting storm water should be implemented in order to control erosion. This will minimise disturbance of the natural vegetation and wetland ecosystem.

The rehabilitation of Borrow pit 1 was completed after the initial inspection and proof thereof included in this report.

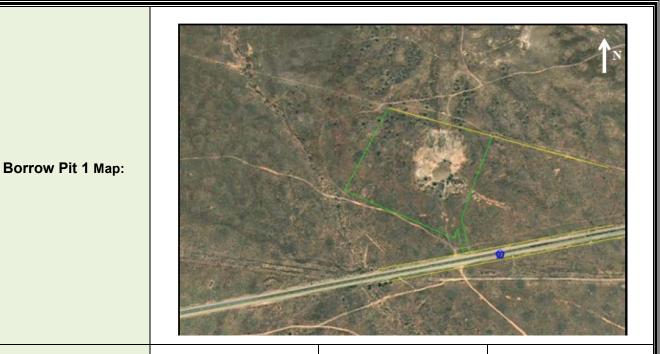
ASSUMPTIONS, UNCERTAINTIES OR GAPS IN KNOWLEDGE

(APPENDIX 7 SUB-REGULATION 3(F))

The assumptions made in this document stem from the findings of the environmental audit as well as background information gathered from the authorisation holder. The approved Environmental Management Plan dated 2014 by CCA Environmental (Pty) Ltd were used as baseline information for this document. No uncertainties or gaps in knowledge could be identified that is applicable during this audit period.

LOCATION

	BP 1 is an extension of an existing borrow pit located on Portion 6 of the Farm
Borrow Pit 1	Stolsvlakte 140, in the Oudtshoorn Local Municipality, which forms part of the
Location:	Garden Route District Municipality in the Western Cape Province. It is situated
	approximately 750 m north of TR33/3 and 7 km east of Oudtshoorn.



	Point	x	Y
	a	+3 717 900 +66 912	+66 912
	b	+3 717 812 +66 110	+66 110
Borrow pit co-ordinates	c	+3 717 637 +66 025	+66 025
(System LO 23):	d	+3 717 698 +66 813	+66 813
	e	+3 717 906 +66 900	+66 900
	f	+3 717 902 +66 908	+66 908
Borrow Pit 2	BP 2 is located on Portions 49 and 119 of the Farm Vanwykskraal 117 in the Oudtshoorn Local Municipality, which forms part of the Garden Route District Municipality in the Western Cape Province. It is situated approximately 13 km east of Oudtshoorn between TR33 and the parallel running railway line on a medium level alluvial terrace.		
Location:			



Point Х Υ +3 716 275 +60 528 а b +3 716 380 +60 722 +3 716 289 +60 722 С **Borrow pit** +60 715 d +3 716 288 co-ordinates +3 716 230 +60 566 е (System LO 23): f +60 404 +3 716 154 +3 716 199 +60 386 g h +3 716 272 +60 521

Borrow Pit 3 Location:	BP 3 is an extension of an existing borrow pit located on Erf 975, Dysseldorp in the Oudtshoorn Local Municipality, which forms part of the Garden Route District Municipality in the Western Cape Province. The site forms part of an erf also known as Bluepoint or the Dysseldorp commonage that belongs to the Garden Route District Municipality. It is situated approximately 2.5 km north-west of Dysseldorp and 20 km north-east of Oudtshoorn, with TR33 running approximately 400 m to the north.					
Borrow Pit 3 Map:						
	Point	x	Y			
	a	+3 715 480	+55 208			
Borrow Pit 3	Ь	+3 715 488	+55 122			
Coordinates:	с	+3 715 663	+55 124			
	d	+3 715 662	+55 449			
	e	+3 715 464	+55 447			

	f	+3 715 480	+55 211
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PROJECT DESCRIPTION

WCPA: Department of Transport and Public Works; Roads Infrastructure Branch holds a mining authorisation for gravel over the above mentioned borrow pits (BP). The mining authorisation was granted on 17 December 2015.

Borrow pit (BP) 1, also referred to as TR3303/7.2/0.75L, is situated to the north of TR33/3 approximately 7 km east of Oudtshoorn on Portion 6 of Farm Stolsvlakte 140. This BP was previously disturbed and as it was not used by the contractor on this project, it was not yet fully rehabilitated (as per the approved EMP). Final rehabilitation will be completed and proof thereof will be submitted to DMRE once finalised.

The rehabilitation of Borrow pit 1 was completed after the site inspection and proof thereof is included in this report.

BP 2, also referred to as TR3303/13.2/0.03L, is situated to the north of TR33/3 approximately 13 km east of Oudtshoorn on Portions 49 and 119 of Farm Vanwykskraal 117 Fully rehabilitated.

BP 3, also referred to as TR3303/19.8/0.4R, is situated to the south of TR33/3 at Dysseldorp on Erf 975, known as Bluepoint/Dysseldorp commonage - Fully rehabilitated.

SITE CONDITIONS

The weather conditions during the inspection were sunny and warm no wind.

REPORTABLE ENVIRONMENTAL INCIDENTS

Incident Date:	None to report.
Incident No:	
Incident:	
How addressed:	
When addressed:	

ADOPTED METHODOLOGY

(APPENDIX 7 SUB-REGULATION 3(D):

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

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

INSPECTION ASPECTS

DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS	
MINING AUTHORISATION CONDITIONS					
	APPLICABLE LEGISLATION COMPLIANCE				
Mineral and	5	_	Compliant	Mining Authorisation was received	
Petroleum Resources	5	-	Compliant	on 17 December 2015 and remains	

DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
Development Act, 2002 (Act No 28 of 2002)				valid until closure has been received.
Copy of the authorisation and EMP available on site	5	_	Compliant	No mining is taking place, but the authorisation holder has copies of the authorisation and EMP at their offices.
The holder must comply with Regulation 55(3). According to aforesaid regulation, the holder of a mining authorisation must conduct a performance assessment and submit a performance (progress) assessment report of the Environmental Management Programme and must contain, amongst others, the following: • A surveyed map indicating areas mined; areas still to be mined; areas rehabilitated and areas still to be rehabilitated.	TBC		Compliant	The performance assessments were the responsibility of the authorisation holder to be submitted to DMRE on an annual basis during the mining period.

DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
 The surveyed map must also indicate the mine phases and a topsoil removal and replacement schedule for future mining activities. The depth of the layer of soil replaced on top of the under-laying rock/shale. No go areas, Gradient of the slope, A description of the vegetation cover, Report to be submitted to the 				
Regional Manager on an annual basis.				
National Water Act, (Act No 36 of 1998)	N/A	-	-	
Copy of water use authorisation available on site	N/A	-	-	
National Environmental Management Act,	N/A	-	-	Mining Authorisation was received on 17 December 2015 and remains

DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
1998 (Act No 107 of				valid until closure has been
1998) and the				received
Environmental Impact				
Assessment				
Regulations, 2014 (as				
amended 2017)				
Copy of the EA and				
EMP available on site	5	-	-	
National				The activity did not trigger the
Environmental				NEM:AQA, 2004.
Management: Air	N/A	-	-	
Quality Act, 2004 (Act				
No 39 of 2004)				
Mine Health and				No longer applicable as all mining
Safety Act, 1996 (Act	N/A	-	-	activities ceased.
No. 29 of 1996)				
National				The activity did not trigger the
Environmental				NEM:WA, 2008.
Management: Waste	N/A	-	-	
Act, 2008 (Act No 59				
of 2008)				
National				The activity did not trigger the
Environmental				NEM:BA, 2004.
Management:	N/A			
Biodiversity Act, 2004	N/A	-	-	
(Act No 10 of 2004)				
(NEM:BA)				
		TOPSOIL		
Topsoil stripping:				The mining activities ceased and
30cm of topsoil or top-	F		Compliant	two of the borrow pits were
material for all borrow	5	-	Compliant	rehabilitated, therefore this aspect
pits to be stripped				is fully compliant

DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
before mining commences for replacement during rehabilitation.				
The upper 30cm of topsoil must be kept entirely separate from the underlying overburden, during stripping, stockpiling and re-spreading.	5	-	Compliant	
Mining floor must be ripped to loosen it to a depth of 30 cm before top soil is spread during rehabilitation	5	-	Compliant	
A cover crop must be planted and established immediately after spreading of top soil, to stabilise the topsoil and protect it from erosion	5		Compliant	The mining activities ceased and two of the borrow pits were rehabilitated, a suitably experienced Landscaping Contractor/ Horticulturist who is familiar with the local vegetation was appoint to revegetate the borrow pits - to commence 23 rd of March 2020. The rehabilitation was completed after the site inspection and proof
		VEGETATIO	N	thereof is included in this report.
Protected plants sheltered from mining activities	5	-	Compliant	Mining took place within the approved footprint area, without

DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS	
Riparian vegetation protected	5	-	Compliant	disturbing protected plants or riparian vegetation.	
Aliens & weeds controlled on site: Ongoing alien plant eradication must take place in the mining area and within the borrow pits expropriated site.	N/A	-	-	No aliens or invader plant species established as a result of the mining activities.	
		HYDROLOG	GY		
Protection of the drainage channel as per the freshwater ecological assessment by Blue Science (May 2014) Mining activities on borrow pit TR3303/13.9/0.2/R to remain 32m away from the Olifants River tributaries	5	-	Compliant	A minimum distance of 60 meters on borrow pit TR3303/7.20/L/750/A were retained as a buffer between the borrow pit area and the drainage channel as per the freshwater ecological assessment by Blue Science (May 2014) The mining activities did not impact the Olifants River tributaries, and took place 32m away from it.	
		FAUNA			
All animals, birds and reptiles protected on site. All snares destroyed	5	-	Compliant	No animals were found or reported harmed as a result of the mining activities.	
AIR QUALITY AND NOISE					
Dust suppression implemented	N/A	-	-	Currently all mining activities has ceased and these matters no longer	
Noise control	N/A	-	-	apply.	

DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
Mining equipment serviced regularly to ensure noise emissions are minimized.	5	-	Compliant	
	ARCHAEO	LOGICAL AND CU	ILTURAL INT	EREST
Archaeological and/or cultural remnants protected	N/A	-	-	The mining activities did not encounter archaeological and/or cultural remnants of significance.
	SUI	RFACE- AND GRO	UNDWATER	
Storm water management infrastructure must be constructed up slope of the borrow pits to prevent storm water from entering the borrow pits	5	-	Compliant	Borrow pits 2 and 3 were rehabilitated and storm water management implemented. Borrow pit 1 – Storm water management was completed after the site inspection and proof thereof is included in this report.
The pits must be rendered free draining and care must be taken not to concentrate runoff into the borrow pits	5		Compliant	Borrow pits 2 and 3 are free draining. Borrow pit 1 –As per the EMP dated 2014 this is an existing excavation, and located in a dry, low rainfall area with a low risk of extended runoff accumulating in the proposed excavation. The natural topography of the area is gently sloping, which could assist with drainage to some extent. The borrow pit floor consist of an artificial wetland, therefore free-draining of this pit is not recommended. It was proposed that berms diverting storm water should

DESCRIPTION	COMPLIANCE	NON- COMPLIANCE	STATUS	COMMENTS
		SCORE		
				be implemented in order to control erosion. This will minimise disturbance of the natural vegetation and wetland ecosystem. This was addressed by the contractor after the site inspection, proof hereof is included in this report.
		VISUAL EXPO	SURE	
Is the contractor implementing good visual and housekeeping standards?	5	-	Compliant	Borrow pits 2&3 were rehabilitated, storm water management and sloping still to be done at Borrow pit 1 will only improve the visual standards of the site. Sloping at Borrow pit 1 was completed after the site inspection and proof thereof is included in this report
		MINING ACTIV	ITIES:	
		SAFETY AND SE	CURITY	
Mining area must be completely fenced off from the general public for safety and access to site must be controlled. The borrow pit sites must remain fenced off until the rehabilitation process is complete. The areas must not	5	-	Compliant	Borrow pits 2 and 3 were rehabilitated and fenced. Borrow pit 1 – The fence erected on the perimeter of the borrow pit has been stolen, this is a reoccurring matter, as the area is sloped and will not pose a risk to general public, the boundary fence of the farm will suffice. No livestock are found in this footprint area and will be kept out by the farm owner.

DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
be grazed until such time as the area is stabilised.				
		REHABILITA	ΓΙΟΝ	
After mining, the steeps slopes at the upper ends of the excavation must not be steeper that 1:3	5		Compliant	Borrow pits 2 and 3 were rehabilitated as per the approved EMP – dated 2014. Borrow pit 1 – some slopes were steeper than 1:3. This was addressed after the site inspection and proof thereof is included in this report.

MANAGEMENT OF FUEL AND HAZARDOUS PRODUCTS					
Spillages should be				No spillages were noted at the time	
contained				of the inspection.	
immediately and					
not allowed to enter	N/A	-	-		
any drainage lines or					
watercourses					
Spillages should be					
cleaned up, with all					
contaminated soil					
collected and	N1/A				
removed from the site	N/A	-	-		
and disposed of at a					
licensed hazardous					
waste site					
Overall management					
of fuel and oil spills	NI/A				
	N/A	-	-		
Drip trays present				No longer applicable as mining	
when refuelling is	N/A			activities ceased.	
done outside the	N/A	-	-		
service bay.					
Storage of bulk fuels					
and oils should be	N/A	-	-		
done appropriately.					
Service areas					
(storage, loading and					
handling of fuels)	N/A	-	-		
should be maintained					
according to the EMP.					
WASTE MANAGEMENT					
Site free of day-to-	5	-	Compliant	The contractor removed all waste	
day litter	,		Compilant	from site when the mining activities	
Waste to be				ceased in March 2020.	
generated on site	5		Compliant		
during mining must					

be managed in				
accordance to the				
Environmental				
Management				
Programme and must				
comply with the				
National				
Environmental				
Management: Waste				
Act, 2008 (Act 59 of				
2008)				
All rubble in and /or				
within the borrow pits				
expropriated area				
must be removed and				
dumped at an				
approved landfill site	5		Compliant	
authorised to receive	5		Compliant	
such waste. Control				
measures must be				
put in place to control				
illegal dumping until				
closure.				
	POTABLE	WATER AND ABL	UTION FACIL	ITIES
Ablution facilities				No longer applicable as mining
available on site more	N1/A			activities ceased.
than 200m from a	N/A	-	-	
watercourse				
Potable water				
available on site for	N/A	-	-	
use of workers				
Sewerage disposed				
of by a registered	N/A	-	-	
waste collector				

FIRE MANAGEMENT						
Firefighting				No longer applicable as mining		
equipment available	N/A	-	-	activities ceased.		
on-site						
No open fires allowed	N/A	_	_			
at mining site						
AC	CESS ROADS, V	EHICLES AND TR	ANSPORTING	OF MATERIAL		
Access road	N/A	_	_	No longer applicable as mining		
maintained				activities ceased.		
All vehicles						
transporting fuels and						
oils must be						
roadworthy and	N/A	-	-			
suitable						
for the safe transport						
of the goods in						
question						
	EMPLO	YEE AND SAFETY	MANAGEME	NT		
Workers inducted and				No longer applicable as mining has		
informed of EMP	N/A	-	-	ceased.		
conditions						
No camping allowed	N/A	_	_			
on the mining area						
Workers provided	N/A	_	_			
with PPE						
Are there signs						
present, indicating the	N/A	_	_			
mining site and speed						
restrictions						
Site fenced off to	N/A	-	-			
control access	N/A	-	-			

COMMENTS OR COMPLAINTS RECEIVED FROM I&AP'S

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

No written environmental related complaints were received during the mining period.

AUDITING OF EMP AND REPORTING THEREOF

Date of previous Unknown - These reports were done by the authorisation holder. EAR/EPA: Proof of submission Unknown - These reports were done by the authorisation holder. to DMRE available: EAR/EPA compiled Unknown – These reports were done by the authorisation holder. independent by person with environmental auditing expertise: Potential and No proof was available that the I&AP's were notified of submission of registered I&AP's Environmental Performance Assessment. notified within 7 days of the submission date, and report available on publicly accessible website

(REGULATION 34)

GENERAL REPORT

Compliance of the mining activities with the EMP, approved by DMRE, was reviewed during this final audit. The mining operation recorded a compliance score of 100%.

As mentioned previously the two borrow pits that were used on Portions 49 and 119 of Farm Vanwykskraal 117, and at Dysseldorp on Erf 975, known as Bluepoint/Dysseldorp commonage were reinstated by Roadmac Surfacing Pty (Ltd). No mining took place on Portion 6 of Farm Stolsvlakte

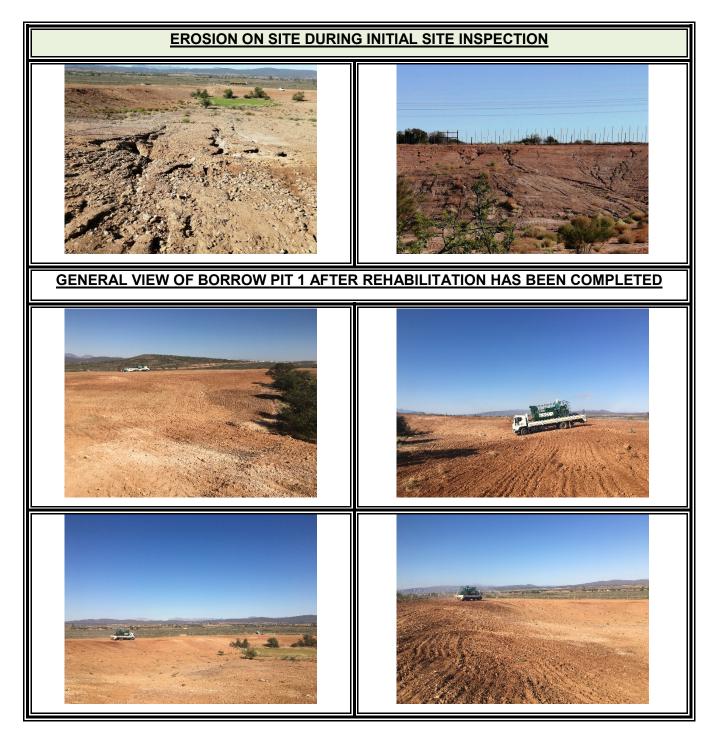
140 and the contractor therefore did not rehabilitate BP 1 at the time of the site inspection. The outstanding matters identified in during the site inspection were addressed and proof thereof is included in this report.

MATTERS TO BE ADDRESSED DURING SITE INSPECTION:

- A cover crop must be planted and established immediately after spreading of top soil, to stabilise the topsoil and protect it from erosion a suitably experienced Landscaping Contractor/Horticulturist who is familiar with the local vegetation was appoint to revegetate the borrow pits - to commence 23rd of March 2020.
 - This matter was addressed and proof thereof is submitted to this report.
- Borrow pit 1 some slopes are steeper than 1:3.
 - This matter was addressed and proof thereof is submitted to this report.
- Borrow pit 1 –As per the EMP dated 2014 this is an existing excavation, and located in a dry, low rainfall area with a low risk of extended runoff accumulating in the proposed excavation. The natural topography of the area is gently sloping, which could assist with drainage to some extent. The borrow pit floor consist of an artificial wetland, therefore free-draining of this pit is not recommended. It is proposed that berms diverting storm water should be implemented in order to control erosion. This will minimise disturbance of the natural vegetation and wetland ecosystem.
 - This matter was addressed and proof thereof is submitted to this report.
- Borrow pit 1 shows signs of erosion, resulting directly from the previous mining activities were noted. Storm water control and sloping of 1:3 should be implemented.
 - This matter was addressed and proof thereof is submitted to this report.

NAME:	SIGNATURE:	DATE:
Sonette Smit	Set S	22/05/2020

PHOTOGRAPHS







3. ENVIRONMENTAL RISK REPORT

{Regulation 60}

Site Names / Reference	 BORROW PIT BP1 – TR3303/7.2/0.75L 	Date of Commencement:	August 2018
Numbers:	 BORROW PIT BP2 – TR3303/13.2/0.03L BORROWPIT BP3 – TR3303/19.8/0.4R 	Inspection Date:	19 March 2020
Authorisation Holder:	WCPA: Department of Transport and Public Works; Roads Infrastructure Branch	Report Number:	Closure Report – Revision 1
Environmental Control Officer:	Sonette Smit	Other Authorisations:	N/A

- 1 REGULATION 60 (a): A undertaking of a screening level environmental risk assessment where all possible environmental risks are identified, including those which to be insignificant;
 - 1.1 Criteria of assigning significance to possible risks

Methodology for the assessment of the potential environmental, social and cultural impacts

DEFINITIONS AND CONCEPTS:

Environmental significance:

The concept of significance is at the core of impact identification, evaluation and decisionmaking. The concept remains largely undefined and there is no international consensus on a single definition. The following common elements are recognised from the various interpretations:

- Environmental significance is a value judgement
- The degree of environmental significance depends on the nature of the risk
- The importance is rated in terms of both biophysical and socio-economic values
- Determining significance involves the amount of change to the environment perceived to be acceptable to affected communities.

Significance can be differentiated into risk magnitude and risk significance. Risk magnitude is the measurable change (i.e. intensity, duration and likelihood). Risk significance is the value placed on the change by different affected parties (i.e. level of acceptability)

The concept of risk has two dimensions, namely the consequence of an event or set of circumstances, and the likelihood of particular consequences being realised (Environment Australia (1999) Environmental Risk Management).

Impact

The positive or negative effects on human well-being and / or the environment.

Consequence

The intermediate or final outcome of an event or situation OR it is the result, on the environment, of an event.

Likelihood

A qualitative term covering both probability and frequency.

Frequency

The number of occurrences of a defined event in a given time or rate.

Probability

The likelihood of a specific outcome measured by the ratio of a specific outcome to the total number of possible outcomes.

Environment

Surroundings in which an organisation operates, including air, water, land, natural resources, flora, fauna, humans and their interrelation (ISO 14004, 1996).

Methodology that will be used

The environmental significance assessment methodology is based on the following determination:

Environmental Significance = Overall Consequence x Overall Likelihood

Determination of Overall Consequence

Consequence analysis is a mixture of quantitative and qualitative information and the outcome can be positive or negative. Several factors can be used to determine consequence. For the purpose of determining the environmental significance in terms of consequence, the following factors were chosen: **Severity/Intensity, Duration and Extent/Spatial Scale**. Each factor is assigned a rating of 1 to 5, as described in the tables below.

Determination of Severity / Intensity

Severity relates to the nature of the event, aspect or impact to the environment and describes how severe the aspects impact on the biophysical and socio-economic environment.

Table 1 will be used to obtain an overall rating for severity, taking into consideration the various criteria.

Type of criteria			Rating				
	1	2	3	4	5		
Quantitative	0-20%	21-40%	41-60%	61-80%	81-100%		
Qualitative	Insignificant / Non-harmful	Small / Potentially harmful	Significant/ Harmful	Great/ Very harmful	/ Disastrous Extremely harmful		
Social/ Community response	Acceptable / I&AP satisfied	Slightly tolerable / Possible objections	Intolerable/ Sporadic complaints	Unacceptable / Widespread complaints	Totally unacceptable / Possible legal action		
Irreversibility	Very low cost to mitigate/ High potential to mitigate impacts	Low cost to mitigate	Substantial cost to mitigate/	High cost to mitigate	Prohibitive cost to mitigate/		

Rating of Severity:

	to level of		Potential to		Little or no
	insignificance/		mitigate		mechanism to
	Easily reversible		impacts/		mitigate impact
			Potential to		Irreversible
			reverse impact		
Biophysical	Insignificant	Moderate	Significant	Very significant	Disastrous
	change /	change /	change /	change /	change /
(Air quality,	deterioration or	deterioration or	deterioration or	deterioration or	deterioration or
water quantity	disturbance	disturbance	disturbance	disturbance	disturbance
and quality,					
waste					
production,					
fauna and					
flora)					

Determination of Duration

Duration refers to the amount of time that the environment will be affected by the event, risk or impact, if no intervention e.g. remedial action takes place.

Rating of Duration:

Rating	Description
1	Up to ONE MONTH
2	ONE MONTH to THREE MONTHS (QUARTER)
3	THREE MONTHS to ONE YEAR
4	ONE to TEN YEARS
5	Beyond TEN YEARS

Determination of Extent/Spatial Scale

Extent or spatial scale is the area affected by the event, aspect or impact.

Rating of Extent / Spatial Scale:

Rating	Description
1	Immediate, fully contained area
2	Surrounding area
3	Within Business Unit area of responsibility
4	Within the farm/neighbouring farm area
5	Regional, National, International

Determination of Overall Consequence

Overall consequence is determined by adding the factors determined above and summarized below, and then dividing the sum by 3.

ConsequenceRatingSeverityExample 4DurationExample 2ExtentExample 4SUBTOTAL10TOTAL CONSEQUENCE:
(Subtotal divided by 3)3.3

Example of calculating Overall Consequence

Determination of Likelihood:

The determination of likelihood is a combination of Frequency and Probability. Each factor is assigned a rating of 1 to 5, as described below and in tables 6 and 7.

Determination of Frequency

Frequency refers to how often the specific activity, related to the event, aspect or impact, is undertaken.

Rating of Frequency:

Rating	Description
1	Once a year or once/more during operation
2	Once/more in 6 Months
3	Once/more a Month
4	Once/more a Week
5	Daily

Determination of Probability

Probability refers to how often the activity or aspect has an impact on the environment.

Rating of Probability

Rating	Description
1	Almost never / almost impossible
2	Very seldom / highly unlikely
3	Infrequent / unlikely / seldom
4	Often / regularly / likely / possible
5	Daily / highly likely / definitely

Overall Likelihood

Overall likelihood is calculated by adding the factors determined above and summarised below, and then dividing the sum by 2.

Example of calculating Overall Likelihood

Consequence	Rating
Frequency	Example 4
Probability	Example 2
SUBTOTAL	6
TOTAL LIKELIHOOD (Subtotal divided by 2)	3

Determination of Overall Environmental Significance:

The multiplication of overall consequence with overall likelihood will provide the significance of the risk, which is a number that will then fall into a range of **INSIGNIFICANT RISK**, **UNCERTAIN RISK** or **SIGNIFICANT RISK**, as shown in the table below.

Determination of Overall Environmental Significance

Significance or Risk	Insignificant risk (cc)	Uncertain risk (bb)	Potential significant risk (aa)
Overall			
Consequence			
х	1 - 4.9	5 - 9.9	10 – 19.9
Overall Likelihood			

Qualitative description or magnitude of Environmental Significance

This description is qualitative and is an indication of the nature or magnitude of the Environmental Significance. It also guides the prioritisations and decision making process associated with this event, aspect or impact.

Description of Environmental Significance and related action required

An insignificant risk	A uncertain risk	A potential significant risk		
(cc)	(bb)	(aa)		
Impact is of very low	Impact is of low order	Impact is real and		
order and therefore	and therefore likely to	substantial in relation		
likely to have very little	have little real effect.	to other impacts. Pose		
real effect.	Acceptable.	a risk to the company.		
Acceptable.		Unacceptable		
Maintain current	Maintain current	Improve management		
management	management	measures to reduce		
measures.	measures.	risk.		
Where possible	Implement monitoring			
improve.	and evaluate to			
	determine potential			
	increase in risk.			
	Where possible			
	improve			
	(cc)Impact is of very low order and therefore likely to have very little real effect.Acceptable.Maintaincurrent management measures.Wherepossible	(cc)(bb)Impact is of very lowImpact is of low orderorder and thereforeand therefore likely tolikely to have very littlehave little real effect.real effect.Acceptable.Acceptable.MaintainMaintaincurrentmeasures.MaintainWherepossibleimprove.Implement monitoringandevaluateincrease in risk.Wherepossible		

Based on the above, the significance rating scale has been determined as follows:

- A potential Risk (aa) Risks of a substantial order. Mitigation and / or remedial activity would be feasible but difficult, expensive, time-consuming or some combination of these.
- An uncertain risk (bb) Risk would be negligible. Almost no mitigation and or remedial activity would be needed, and any minor steps, which might be needed, would be easy, cheap and simple.

An insignificant risk (cc) There would be very small to no risk.

1.2 Environmental risk assessment of each main activity in the decommissioning/rehabilitation phase after implementation of the mitigation measures.

Sloping and Landscaping:

Soil erosion

Rating: Insignificant risk

Severity	Duration	Extend	Consequence	Probability	Frequency	Likelihood	Significance
3	1	1	1.7	3	2	2.5	4.3

Health and safety risk posed by un-sloped areas

Rating: Insignificant risk

Severity	Duration	Extend	Consequence	Probability	Frequency	Likelihood	Significance
3	5	1	3	2	1	1.5	4.5

Dust nuisance caused during landscaping activities

Rating: Insignificant risk

			Consequence			Likelihood	Significance
Severity	Duration	Extend		Probability	Frequency		
1	2	1	1.3	2	3	2.5	3.3

Noise nuisance caused by machinery

Rating: Insignificant risk

Severity	Duration	Extend	Consequence	Probability	Frequency	Likelihood	Significance
1	3	1	1.6	2	2	2	3.2

Contamination of area with hydrocarbons or hazardous waste materials

Rating: Insignificant risk

Severity	Duration	Extend	Consequence	Probability	Frequency	Likelihood	Significance
3	1	1	1.6	2	1	1.5	2.4

Infestation of the area by weeds and invader plants

Rating: Insignificant risk

Severity	Duration	Extend	Consequence	Probability	Frequency	Likelihood	Significance
2	4	1	2.3	2	1	1.5	2.4

2 REGULATION 60 (b, c): The undertaking of a second level risk assessment on issues classified as potential significant risks.

No issues / impacts classified as potential significant risks were identified at the rehabilitated mining area.

3 REGULATION 60 (d) Re-evaluation and re-classification of uncertain risks

No issues / impacts classified as uncertain risks were identified at the rehabilitated mining area.

4 REGULATION 60 (e) Documenting the Status of Insignificant Risks

RISK	SIGNIFICANCE	STATUS
Soil erosion	Insignificant	Definite
Health and safety risk posed by un- sloped	Insignificant	Definite
Dust nuisance caused during landscaping activities	Insignificant	Definite
Noise nuisance caused by machinery	Insignificant	Definite
Contamination of area with hydrocarbons or hazardous waste materials	Insignificant	Definite
Infestation of the area by weeds and invader plants	Insignificant	Definite

5 REGULATION 60 (f) Identifying alternative risk prevention or management strategies for potential significant risks

No issues / impacts classified as potential significant risks were identified at the mining area.

6 REGULATION 60 (g) – Agreeing on management measures to be implemented for the potential significant risks

No issues / impacts classified as potential significant risks were identified at the mining area.

4. CLOSURE PLAN

{Regulation 62}

Site Names / Reference	 BORROW PIT BP1 – TR3303/7.2/0.75L DODDOW DIT DD0 	Date of Commencement:	August 2018
Numbers:	 BORROW PIT BP2 – TR3303/13.2/0.03L BORROWPIT BP3 – TR3303/19.8/0.4R 	Inspection Date:	19 March 2020
Authorisation Holder:			Closure Report – Revision 1
Environmental Control Officer:	Sonette Smit	Other Authorisations:	N/A

LOCATION

Borrow Pit 1 Location:	BP 1 is an extension of an existing borrow pit located on Portion 6 of the Farm Stolsvlakte 140, in the Oudtshoorn Local Municipality, which forms part of the Garden Route District Municipality in the Western Cape Province. It is situated approximately 750 m north of TR33/3 and 7 km east of Oudtshoorn.				
	Point	x	Y		
	а	+3 717 900 +66 912	+66 912		
	Ь	+3 717 812 +66 110	+66 110		
Borrow pit co-ordinates	C	+3 717 637 +66 025	+66 025		
(System LO 23):	d	+3 717 698 +66 813	+66 813		
	e	+3 717 906 +66 900	+66 900		
	f	+3 717 902 +66 908	+66 908		

Borrow Pit 2 Location:	BP 2 is located on Portions 49 and 119 of the Farm Vanwykskraal 117 in the Oudtshoorn Local Municipality, which forms part of the Garden Route District Municipality in the Western Cape Province. It is situated approximately 13 km east of Oudtshoorn between TR33 and the parallel running railway line on a medium level alluvial terrace.				
	Point	x	Y		
	а	+3 716 275	+60 528		
	b	+3 716 380	+60 722		
Borrow pit	С	+3 716 289	+60 722		
co-ordinates	d	+3 716 288	+60 715		
(System LO 23):	e	+3 716 230	+60 566		
	f	+3 716 154	+60 404		
	g	+3 716 199	+60 386		
	h	+3 716 272	+60 521		

Borrow Pit 3 Location:	BP 3 is an extension of an existing borrow pit located on Erf 975, Dysseldorp in the Oudtshoorn Local Municipality, which forms part of the Garden Route District Municipality in the Western Cape Province. The site forms part of an erf also known as Bluepoint or the Dysseldorp commonage that belongs to the Garden Route District Municipality. It is situated approximately 2.5 km north-west of Dysseldorp and 20 km north-east of Oudtshoorn, with TR33 running approximately 400 m to the north.				
	Point	x	Y		
	a	+3 715 480	+55 208		
	b	+3 715 488	+55 122		
Borrow Pit 3 Coordinates:	с	+3 715 663	+55 124		
	d	+3 715 662	+55 449		
	e	+3 715 464	+55 447		
	f	+3 715 480	+55 211		

1 REGULATION 62 (a - k): Closure and environmental objectives

1.1 Description of the closure objectives and their extent of alignment to the mining environment

The approved EMP (2014) Prepared by: CCA Environmental (Pty) Ltd On behalf of Aurecon SA (Pty) Ltd for Government of the Western Cape: Department of Transport and Public Works states that the aim of the rehabilitation program is to restore and return the site as close possible to its original state i.e. similar to the state before mining activities commenced.

The following rehabilitation mitigation measures were proposed in the EMP:

 A cover crop must be planted and established immediately after spreading of top soil, to stabilise the topsoil and protect it from erosion;

- Storm water management infrastructure must be constructed up slope of the borrow pits to prevent storm water from entering the borrow pits;
- The pits must be rendered free draining and care must be taken not to concentrate runoff into the borrow pits;
- The borrow pit sites must remain fenced off until the rehabilitation process is complete. The areas must not be grazed until such time as the area is stabilised;
- After mining, the steeps slopes at the upper ends of the excavation must not be steeper that 1:3;

The EMP further stipulates the following closure objectives:

General Rehabilitation Principles:

No residue deposits shall be left at borrow pit sites. Stockpiled overburden shall be used to reshape the site to blend in with the surrounding environment and topsoil will be spread over the site.

Closure and Rehabilitation:

- The Contractor shall grade the slopes at the bridge construction site and the borrow pits to blend in with the natural slope of the surrounding area. All slope changes shall be finished-off so that flowing curves that blend into the surrounding landscape are formed in preference to sharp angles.
- The surface of the borrow pit and access roads shall be ripped to a depth of at least 30 cm. All overburden material shall be levelled and reshaped so as to correspond with the surrounding landscape. Topsoil (which includes mulched vegetation material removed during vegetation clearing, but excluding invasive species),
- removed and stockpiled during operation, shall be spread evenly over the disturbed areas to a depth of at least 10 cm.
- Precautions should be taken to prevent soil erosion during rehabilitation. Erosion control measures (e.g. application of straw mulches or soil binders to exposed soil) shall be put in place in all rehabilitated areas,
- including access roads, stockpiles and any other disturbed areas associated with the construction and borrow pit operations. If necessary, wind protection measures such as shade cloth screens shall be erected to protect the soil and vegetation.

1.2 Closure plan

The requested closure plan is attached as Appendix 1.

1.3 Summary of regulatory requirements and conditions for closure

According to the closure process (Regulations 56 to 62) the following regulatory requirements and conditions needs to be addressed by the mining authorisation holder:

Layout Plan:

• A final layout plan must be submitted at closure of the mining area or when final rehabilitation is completed.

Demarcating the mining area:

• The beacons, indicating the layout of the site, must be removed at the end of the operations.

Responsibility:

- The environment affected by the mining operations shall be rehabilitated by the holder, as far as is practicable, to its natural state or to a predetermined and agreed to standard or land use which conforms with the concept of sustainable development. The affected environment shall be maintained in a stable condition that will not be detrimental to the safety and health of humans and animals and that will not pollute the environment or lead to the degradation thereof.
- If operations are to be conducted in an area that has already been disturbed, the holder must reach specific agreement with the Regional Manager concerning the responsibilities imposed upon himself/herself pertaining to the rehabilitation of the area and the pollution control measures to be implemented.

Rehabilitation of access roads:

- Whenever a mining authorisation is suspended, cancelled or abandoned or if it lapses and the holder does not wish to renew the authorisation, any access road or portions thereof, constructed by the holder and which will no longer be required by the landowner/tenant, shall be removed and/or rehabilitated to the satisfaction of the Regional Manager.
- Any gate or fence erected by the holder which is not required by the landowner/tenant, shall be removed and the situation restored to the pre mining situation.
- Roads shall be ripped or ploughed, and if necessary, appropriately fertilised (based on a soil analysis) to ensure the regrowth of vegetation. Imported road construction materials which may hamper regrowth of vegetation must be removed and disposed of in an approved manner prior to rehabilitation.

 If a reasonable assessment indicates that the re-establishment of vegetation is unacceptably slow, the Regional Manager may require that the soil be analysed and any deleterious effects on the soil arising from the mining operation, be corrected and the area be seeded with a seed mix to the Regional Manager's specification.

Final rehabilitation:

- All infrastructure, equipment, plant, temporary housing and other items used during the mining period will be removed from the site (section 44 of the MPRDA)
- Waste material of any description, including receptacles, scrap, rubble and tyres, will be removed entirely from the mining area and disposed of at a recognised landfill facility. It will not be permitted to be buried or burned on the site.
- Final rehabilitation shall be completed within a period specified by the Regional Manager.

1.4 Summary of the results of the environmental risk report

The potential risks as listed in the table below were assessed in the environmental risk report. If the mitigation measures proposed in that report is implemented on site all the risks are deemed to be insignificant.

RISK	SIGNIFICANCE	STATUS
Soil erosion	Insignificant	Definite
Health and safety risk posed by un- sloped	Insignificant	Definite
Dust nuisance caused during landscaping activities	Insignificant	Definite
Noise nuisance caused by machinery	Insignificant	Definite
Contamination of area with hydrocarbons or hazardous waste materials	Insignificant	Definite
Infestation of the area by weeds and invader plants	Insignificant	Definite

1.5 Results of progressive rehabilitation

Due to the nature of the mining activities, no progressive rehabilitation took place during the operational phase.

1.6 Description of the methods to decommission each mining component

Borrow pits 2 and 3 were rehabilitated and storm water management and as well as free drainage implemented.

Borrow pit 1 – Storm water management has been addressed after the initial site visit and proof hereof is included in this report.

Rehabilitation Principles:

- The removal of all structures, waste material and contaminated soil.
 - All infrastructure, equipment and waste was removed from site.
- After mining, the steeps slopes at the upper ends of the excavation must not be steeper that
 1:3.
 - Borrow pits 2 and 3 were rehabilitated as per the approved EMP dated 2014.
 - Borrow pit 1 some slopes are steeper than 1:3. This will be addressed and, proof hereof will be submitted to DMRE (Western Cape) once completed.
- The pits must be rendered free draining and care must be taken not to concentrate runoff into the borrow pits
 - Borrow pits 2 and 3 are free draining.
 - Borrow pit 1 –As per the EMP dated 2014 this is an existing excavation, and located in a dry, low rainfall area with a low risk of extended runoff accumulating in the proposed excavation. The natural topography of the area is gently sloping, which could assist with drainage to some extent. The borrow pit floor consist of an artificial wetland, therefore free-draining of this pit is not recommended. It is proposed that berms diverting storm water should be implemented in order to control erosion. This will minimise disturbance of the natural vegetation and wetland ecosystem
- The success of re-generated areas, including any areas prone to erosion is monitored.
 - Borrow pit 1 shows signs of erosion, resulting directly from the previous mining activities were noted. Storm water control and sloping of 1:3 will be implemented and proof thereof send to DMRE (Western Cape) once completed.

1.7 Long-term management and maintenance expected

The mining area has been monitored since 2018 by the authorisation holder. Borrow pit sites require ongoing maintenance and monitoring until formal closure is obtained in compliance with the MPRDA..

1.8 Financial provision for monitoring, maintenance and post closure management

According to Section D5 of the approved EMP done by, financial provision (Regulation 54) is the amount that is necessary for the rehabilitation of damage caused by the operation, both at sudden closure during the normal operation of the project and at final, planned closure. This amount reflects how much it will cost the Department to rehabilitate the area disturbed in case of liquidation or ascendance.

The contract included a retention of 10% of the Contract Value (up to a limit of R1 million) which will be withheld until all work (inclusive of rehabilitation work set out in the EMP) has been completed to the satisfaction of the engineering team and DMRE. Specific financial provision for rehabilitation were included in the tender documentation for the project. A breakdown of the anticipated costs of rehabilitation per borrow pit will be compiled and submitted to DMRE for approval. As part of an agreement between DT&PW, DMRE and National Treasury, DT&PW will make provision of the financial guarantee for the rehabilitation costs to DMRE prior to any construction activities.

1.9 Sketch plan describing the final and future land use proposal

The mining areas is shown in the mining plan attached as Appendix 1.

1.10 Record of interested and affected persons consulted

The signed landowner indemnity forms will be submitted to DMRE once received. No other written comments with regard to the rehabilitation of the mining area was received from the surrounding I&AP's.

SIGNATURE OF AUTHOR

NAME	SIGNATURE	DATE
Sonette Smit		20 May 2020

APPENDIX 1

MINING PLAN PLAN

APPENDIX 2

LANDOWNER INDEMNITY'S FORMS

APPENDIX 3

EXPERTISE OF EAP