

**MINING OF SAND AND GRAVEL FROM A PORTION OF THE FARM  
DOORNKRAAL 832, MALMESBURY, WESTERN CAPE PROVINCE**

**ENVIRONMENTAL AUDIT REPORT**

<b>DMR REFERENCE NUMBER:</b>	<b>WC 30/5/1/2/2/10096 MR</b>
<b>AUDIT PERIOD:</b>	<b>30 April 2021</b>

**PREPARED FOR:**

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**INSPECTION SHEET ENVIRONMENTAL CONTROL OFFICER**

**PROJECT DETAIL:**

<b>Permit Number:</b>	WC 30/5/1/2/2/10096 MR	<b>Date of Commencement:</b>	14 February 2018
<b>Site Name:</b>	Purple Rain	<b>Inspection Date:</b>	30 April 2021
<b>Permit Holder:</b>	Purple Rain Properties No 411 Pty Ltd	<b>Other Authorisations:</b>	Still outstanding (DWS) - Pretoria
<b>Report Number:</b>	5		

**DETAIL OF AUDITOR**

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

<b>ECO:</b>	Murchellin Saal
<b>Expertise:</b>	Mrs. MD Saal has 9 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.
<b>Declaration of Independence:</b>	<p>I Murchellin Saal declare that –</p> <ul style="list-style-type: none"> <li>• I act as independent environmental control officer in this compliance audit;</li> <li>• 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;</li> <li>• I have expertise in conducting environmental compliance audits, including knowledge of the Act and regulations that have relevance to the activity;</li> <li>• I will adhere to and comply with all responsibilities as indicated in the National Environmental Management Act and Environmental Impact Assessment Regulations.</li> <li>• 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).</li> </ul> <p align="center">             Signature of ECO         </p> <p align="right">Date: 30 April 2021</p>



## **INSPECTION SHEET ENVIRONMENTAL CONTROL OFFICER**

### **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 performance assessment (EPA) is to evaluate compliance of the operational activities with the Environmental Management Programme Report (EMPR) and Environmental Authorisation as approved by the Department of Mineral Resources.

#### **INSPECTED AREAS:**

The inspection included an assessment of the mining right footprint area.

### **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.



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**LOCATION:**

<b>Site Location:</b>	The location is situated on a 115.43 ha area on the Farm Doornkraal No 832, Malmesbury, Swartland DC, Western Cape Province	
	Approximately +/-11km south of Malmesbury.	
<b>Site Coordinates:</b>	A 33°33'10.140"S	18°45'11.950"E
	B 33°33'13.329"S	18°45'20.605"E
	C 33°33'36.500"S	18°45'30.482"E
	D 33°33'35.671"S	18°45'38.087"E
	E 33°34'02.986"S	18°45'17.731"E
	F 33°33'34.202"S	18°45'06.759"E
	G 33°33'36.693"S	18°44'58.384"E
	H 33°33'35.265"S	18°44'57.780"E
	I 33°33'35.294"S	18°44'56.817"E
	J 33°33'35.962"S	18°44'55.352"E
	K 33°33'28.382"S	18°44'42.607"E
	L 33°33'24.349"S	18°44'39.204"E
M 33°33'14.143"S	18°44'35.475"E	

**PROJECT DESCRIPTION:**

Purple Rain Properties (Pty) Ltd, applied for environmental authorisation to mine and process sand and gravel through crushing, screening and washing of 115.43ha of the farm Doornkraal 832, Malmesbury, Western Cape Province.

**SITE CONDITIONS:**

Cold but sunny weather conditions

**REPORTABLE ENVIRONMENTAL INCIDENTS:**

<b>Incident Date:</b>	The site has a register in place in the event of incidents.
<b>Incident No:</b>	
<b>Incident:</b>	
<b>How addressed:</b>	
<b>When addressed:</b>	



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**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	<b>LOW</b> – Mitigation not needed / mitigation measures to be maintained
2	<b>MEDIUM</b> – Mitigation should be considered
3	<b>HIGH</b> – Mitigation compulsory

### INSPECTION ASPECTS:

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
<b>LEGISLATION COMPLIANCE:</b>				
National Environmental Management Act, 1998 (Act No. 107 of 1998) and the Environmental Impact Assessment Regulations, 2014	3	3	Partially Compliant	The conditions set out in the EMP are not all met with regards to the buffer areas, no go areas and mining within the approved mining right area.
National Environmental Management Act: Biodiversity Act, 2004 (Act No. 10 of 2004) and amendments	3	3	Partially Compliant	No go areas to be implemented.
Mine Health and Safety Act, 1996 (Act No 29 of 1996)	3	3	Partially Compliant	Boundary areas to be clearly marked and the cattle to be removed from anywhere close to the active mining area.
Copy of the EA and EMPr available on site	5	1	Compliant	The site file is kept at the Doornekraal office and can and will be made available should it be required. The site is not mining on a daily basis.
Mineral and Petroleum Resources Development Act	3	3	Partially Compliant	Client instructed to ensure all the conditions listed in EA is implemented. Ensure boundary markers are clearly visible.
(Water and Sanitation )Act 1998	3	3	Partially Compliant	Application currently awaiting final signature.
National Heritage Resources Act No 25 of 1999	5	-	Compliant	
Conservation of Agricultural Resources Act, 1983 (Act No. 43 of 1983)	5	-	Compliant	
National Environmental Management: Air Quality Act, 2004 (Act No 39 of 2004)	5	-	Compliant	
Western Cape Nature Conservation Act, 1998 (Act 10 of 1998)	1	3	Non - Compliant	Buffer areas must be implemented around wetland areas.
Western Cape Land Use Planning Act, 2014 (Act No. 3 of 2014)	5	-	Compliant	
Swartland Municipality: Land Use Planning Bylaws, 2015 (No 264 of 2015) Swartland Municipal Spatial Development Framework	5	-	Compliant	Application approved on 21 January 2019.



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DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Western Cape Provincial Spatial Development Framework	5	-	Compliant	18 February 2019
<b>ASPECTS OF THE AFFECTED ENVIRONMENT</b>				
<b>TOPSOIL MANAGEMENT (FBAR PG NO 136-137)</b>				
The upper 500 mm of the soil, whether it contains gravel or not, must be stripped and stockpiled before mining.	5	-	Compliant	Application in start-up phase.
Topsoil is a valuable and essential resource for rehabilitation and it must therefore be managed carefully to conserve and maintain it throughout the stockpiling and rehabilitation processes.	5	-	Compliant	
Topsoil stripping, stockpiling and re-spreading must be done in a systematic way. The mining plan have to be such that topsoil is stockpiled for the minimum possible time by rehabilitating different mining blocks progressively. Topsoil must ideally be used for rehabilitation within 3 months of it being stockpiled.	5	-	Compliant	
Topsoil stockpiles must be placed in previously disturbed areas as far away from wetlands and watercourses as possible. No topsoil or other materials or equipment may be stored in the no-go areas or buffer areas.	5	-	Compliant	Client was instructed on the placement of all stockpiles.
Topsoil heaps may not exceed 1.5 m.	5	-	Compliant	



**INSPECTION SHEET ENVIRONMENTAL CONTROL OFFICER**

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Topsoil stockpiles must be protected against losses by water and wind erosion. Stockpiles must be positioned so as not to be vulnerable to erosion. The establishment of plants on the stockpiles will help to prevent erosion.	5	-	Compliant	Stockpiles will be placed on levelled areas
The stockpiled topsoil must be evenly spread over the entire mining area, so that there is a depth of 500 mm of sandy topsoil above the underlying clay. The depth must be monitored during spreading to ensure that coverage is adequate and even.	5	-	Compliant	
Strive to re-instate topsoil at a time of year when vegetation cover can be established as quickly as possible afterwards, so that erosion of returned topsoil by both rain and wind, before vegetation is established, is minimized. The best time of year is at the end of the rainy season, when there is moisture in the soil for vegetation establishment and the risk of heavy rainfall events is minimal.	5	-	Compliant	
areas or buffer areas. A cover crop must be planted and established immediately after spreading of topsoil, to stabilize the soil and protect it from erosion. The cover crop must be fertilized for optimum production. It is	5	-	Compliant	





**INSPECTION SHEET ENVIRONMENTAL CONTROL OFFICER**

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
important that rehabilitation be taken up to the point of cover crop stabilization. Rehabilitation cannot be considered complete until the first cover crop is well established.				
Run-off water must be controlled via temporary banks during mining, where necessary on the slopes, to ensure that accumulation of run-off does not cause down-slope erosion.	5	-	Compliant	
The rehabilitated area must be monitored for erosion, and appropriately stabilized if any erosion occurs for at least 24 months after reinstatement.	5	-	Compliant	
All activities are within the approved boundaries	1	3	Non -compliant	It was confirmed that due to the neglect of boundary markers the client is currently out of the mining area in two sections.
<b>VEGETATION MANAGEMENT (FBAR PG NO 142)</b>				
No vegetation, alien species or other is dumped in areas with indigenous vegetation	5	-	Compliant	
Temporary stockpiles free of weeds	5	-	Compliant	At the time of inspection all stockpiles were weed free.
Invader or exotic species controlled on the rehabilitated areas	5	-	Compliant	
Removal of invader or exotic plant species need to be done according to	5	-	Compliant	



## INSPECTION SHEET ENVIRONMENTAL CONTROL OFFICER

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
the weed and invader plant management plan.				
Weed and invader plant management plan implemented	5	-	Compliant	
A 40 m buffer area must be demarcated, sign posted and managed as no-go area around areas with natural vegetation.	1	3	Non - Compliant	Due to the neglect in placing boundary marker the client is now within the 40m buffer area and will need to ensure that the disturbed area is rehabilitated and reinstated as a matter of the utmost urgency.
<b>FAUNA (FBAR PG NO 144)</b>				
All animals, birds and reptiles protected on site.	3	3	Partially Compliant	The cattle grazing at the active mining area are at risk of being injured, It is therefore advised that all the gates are closed and or the cattle is guided away from the open strip areas.
Mining area daily monitored for trapped fauna or snares	5	-	Compliant	
<b>AIR QUALITY AND NOISE (FBAR PG NO 134)</b>				
Dust suppression implementation	5	-	Compliant	Water use application still in process. However if required water from the dairy will be used on discretion.
Dust suppression equipment functional	5	-	Compliant	
Vehicles utilising the access road are adhering to the speed 40km/h limit	5	-	Compliant	A 20km speed limit sign visible with a stop sign is erected.
Employees and staff conducted themselves in an acceptable manner.	5	-	Compliant	



## INSPECTION SHEET ENVIRONMENTAL CONTROL OFFICER

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
No load music permitted on site	5	-	Compliant	
All stockpiling vehicles must be equipped with silencers and maintained in a road worthy condition	5	-	Compliant	
<b>SURFACE AND STORM WATER MANAGEMENT (FBAR PG NO 139)</b>				
Storm water diverted around the topsoil heaps, and access roads to prevent erosion and loss of material.	5	-	Compliant	
All effluents containing oil, grease or other industrial substances are removed from site	5	-	Compliant	At the time of inspection there was no visible industrial substances.
Spills cleaned immediately and proof filed.	5	-	Compliant	No spills on site.
Mining conducted in accordance with the best Practice Guidelines for small scale mining	5	-	Compliant	
Damming of water at the mining area prevented	5	-	Compliant	
<b>VISUAL EXPOSURE (FBAR PG NO 133)</b>				
Is the contractor implementing good visual and housekeeping standards	3	3	Partially -Compliant	During inspection there was empty glass and plastic bottles lying around.
Concurrent rehabilitation must be done as strip mining progress to limit the visual impact on the aesthetic value of the area.	1	3	Non-compliant	Currently the mine has 3 hectares open. The EMP clearly states that only 1 mining strip (1 ha) may be open at any given time.
<b>HAZARDOUS CHEMICAL MANAGEMENT (FBAR PG. NO 139-140)</b>				



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DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Hazardous and general waste are stored in separate containers	5	-	Compliant	Three covered bins are located at the current mining area
Hazardous waste stored in a sealed, non-leaking containers This must be removed daily.	5	-	Compliant	
All containers containing hazardous closed and store only in approved areas	5	-	Compliant	
Always put drip trays under vehicles and machinery	5	-	Compliant	All vehicles are serviced off site.
Upon discovery of a hydro-carbon spill (leak), work is to stop immediately and the manager is to be notified to initiate a clean-up.	5	-	Compliant	
<b>WASTE MANAGEMENT (FBAR PG. NO 139)</b>				
Site free of day-to-day litter	4	3	Partially Compliant	Some bottles were lying around but other than that the site was neat.
Waste separated into labelled containers	5	-	Compliant	Three covered bins are located at the current mining area
Non-biodegradable refuse such as glass bottles, plastic bags, metal scrap, etc, should be stored in a container with a closable lid.	5	-	Compliant	
No waste stockpile area established outside the stockpiling site boundaries.	5	-	Compliant	
Vehicle maintenance conducted within the service bay area.	5	-	Compliant	



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DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Any effluents containing oil, grease or other industrial substances to be collected in a suitable receptacle and removed from the site, either for resale or for appropriate disposal at a recognised facility.	5	-	Compliant	
Diesel bowser to be equipped with a drip tray at all times	5	-	Compliant	
<b>POTABLE WATER AND ABLUTION FACILITIES (EMPR PG NO 145)</b>				
Ablution facilities available on site more than 200m from a watercourse	5	-	Compliant	
Chemical toilets serviced regularly by an accredited waste handling contractor	4	1	Compliant	The Site is encouraged to clean the toilets once a month and provide proof documents.
<b>FIRE MANAGEMENT</b>				
Firefighting equipment available on-site	5	-	Compliant	Firefighting equipment is kept in the loader.
No open fires at mining area allowed	5	-	Compliant	
<b>MINE AND EQUIPMENT MANAGEMENT (EMPR PG NO 193)</b>				
Mining will be done in daylight hours	5	-	Compliant	
Mining conducted within approved footprint area	5	-	Compliant	
Incident register maintained on site	5	-	Compliant	
Emergency preparedness plan and register implemented on site	5	-	Compliant	



## INSPECTION SHEET ENVIRONMENTAL CONTROL OFFICER

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
<b>ACCESS ROADS, VEHICLES AND TRANSPORTING OF MATERIAL (EMPR PG NO 138)</b>				
Storm water must be diverted around the access road and haul roads to prevent erosion.	5	-	Compliant	
Vehicular movement must be restricted to existing access routes to prevent crisscrossing of tracks through undisturbed areas.	5	-	Compliant	
The existing gravel tracks, that is present on the farmland area, be utilized as internal roads in order to access the mining development.	5	-	Compliant	
<b>EXISTING INFRASTRUCTURE</b>				
<b>ESKOM INFRASTRUCTURE (EMPR PG NO 144)</b>				
Buffers of 10 m must be implemented and maintained in respect of the two Eskom power lines to ensure that: No construction work is executed too close to any Eskom Structure or structure-supporting mechanism; No work or machinery is near to the conductors of the respective power lines; and There is an obstruction free zone around all pylons.	1	3	Non -Compliant	Client was instructed to implement the boundary and no go areas as a matter of urgency. However at the time of inspection this was still not implemented and they were again requested to do this urgently.
No stockpiling of material is allowed within the servitude areas.	5	-	Compliant	Demarcations needs to be in place to ensure no stockpiling is done in servitude areas. Currently in can be confirm that there is no stockpiling within the servitude areas.



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DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
<b>TELKOM INFRASTRUCTURE (EMPR PG NO 144)</b>				
As the Telkom mast is situated outside the proposed footprint of the mining area, the mining activities are not expected to impact the infrastructure. The mast must however be managed as a no-go area and should any damage occur Telkom must immediately (within 2 hours) be notified.	3	3	Partially Compliant	The plastic barricading was torn at the time of inspection, the Site is encouraged to use a more sustainable barricading and also erect a no go signage board.
<b>EMPLOYEE AND SAFETY MANAGEMENT (EMPR PG NO 145)</b>				
Workers inducted and informed of EMP conditions	5	-	Compliant	Site Manger was provided with the all the information with regards to the site and is now updated with the EMP and conditions.
Suitable covered receptacles should be available at all times	5	-	Compliant	
Workers must have access to the correct personal protection equipment (PPE) as required by law.	5	-	Compliant	
Effective access control to prevent unauthorised entry.	4	1	Partially compliant	The animals grazing close to the active mining area poses a danger to the animals and should be addressed.
Area fenced off with lockable gates	5	-	Compliant	The site has two lockable gates.

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

No written comments /complaints were received during the audit period March to April 2021.

**GENERAL REPORT:**

Compliance of the mining site with the EMP approved by DMR was reviewed during the site assessment. The Mining area recorded a compliance score of 85% for the month of April 2021.

The Mining right was executed ("Effective Date) on the 7th of May 2019. The site commenced on the 14th of February 2020. Site induction was also done on the 14th of February 2020. The first inspection was conducted on the 27th of February 2020. At the time of inspection, no mining had started.

All ECO reports are filed on the Greenmined Environmental website, [www.greenmined.co.za](http://www.greenmined.co.za).

The Swartland Municipality approved the zoning application on 21 January 2019. The Department of Environmental Affairs and Development Planning approved the Land Use Application on February 2019.

All mining activities and infrastructure will be taking place within the mining right area. At the time of inspection, the client was instructed on notice boards and boundary areas that must be implemented.

A water use application was submitted in October 2017. The outcome of this application is still outstanding. However, it has been confirmed that the application was sent to head office awaiting approval signature.

Currently the site has 3 hectares open and should only be mining 1 hectare at any given time. This will also be reported on in next month's ECO report.

**Wetlands:**

In order to conserve the Watsonia-Paspalum, and Doornkraal Stream wetlands the specialist proposed that no mining take place in Area 1 and 3 presented as Site Alternative 2 in the environmental impact assessment report (EIAR). Both these wetland systems must be managed as no-go areas for the duration of the mining project. A buffer of 40 m from the outer edge of the Pasture Hillslope wetland must be maintained. No mining may be done outside the boundaries of the footprint area proposed as Site Alternative 1 in the EIAR. No access road, within Area 1 (Site Alternative 2) may be made or used for mining purposes.

No access road, within Area 1 (Site Alternative 2) may be made or used for mining purposes.

The existing two small dams within the Watsonia-Paspalum wetland area may not be enlarged or cleaned out without a maintenance and management plan approved by the Department of Water and Sanitation.

Any channelized flow off of mining areas must be slowed, and mined out areas must be rehabilitated within two weeks.

***Client to erect the fencing between the current mining area and the wetland. A buffer of 40m must be implemented and a no go area sign must be placed. The mining boundaries must be implemented with immediate effect to ensure all mining activities are within the approved mining right area, Google earth currently shows the mining activities are outside of the boundary into the 40m buffer area. The disturbed area within the 40m buffer must be rehabilitated and reinstated as a matter of urgency and compliance will be reported on in next month's ECO report. Currently the site has 3 hectares open and should only be mining 1 hectare at any given time. This will also be reported on in next month's ECO report.***

**Management of Dust Generation:**

The fallout dust monitoring was implemented on the 14th of February 2020.

The client incorrectly placed the dust monitoring poles and was instructed to move to the poles to the provided coordinates. Poles are all in the correct positions now.

To date all the monitoring results were within the limits. However, all the units were incorrectly allocated and must be re located to the correct unit points as per the provided google image and coordinates.

**Waste Management:**

The client has placed three sealable refuse bins on site. For hazardous waste, general waste and Non- biodegradable waste. Up to date no hazardous waste was generated on site. A register must be kept on site with proof of waste removals. ***An oil spill kit must be kept on site and all the glass and plastic bottles must be removed.***





## INSPECTION SHEET ENVIRONMENTAL CONTROL OFFICER

### **Telkom Mast:**

As the Telkom mast is situated outside the proposed footprint of the mining area, the mining activities are not expected to impact the infrastructure. *The mast must however be managed as a no-go area and should any damage occur Telkom must immediately (within 2 hours) be notified. The area was barricaded with danger tape, due to the weather conditions the tap was damaged/broken. Client is advised to use a more sustainable barricader and erect a no go sign for this section.*

### **Eskom: Client still needs to implement barricading**

No work is allowed within Eskom reserve areas and servitudes (132kV - 15.5 m & 11kV - 9.0 m either side of centre line);

- No stockpiling of material will be allowed within the servitude areas
- No construction work may be executed closer than 10 meters from any Eskom structure or structure-supporting mechanism;
- No work or no machinery nearer than 3.8 m to the conductors of the 132 kV and 3.0 m to the 11kV;
- Eskom must have at least a 10m obstruction free zone around all pylons; Any development which necessitates the relocation of Eskom's services will be to the account of the developer."

### **Access roads:**

Vehicles utilising the access road must restrict speed to 40km/h.

These restrictions were erected and placed in all the areas which are highly visible.

Hauling routes for construction vehicles and machinery is clearly marked and appropriate signalling was posted.

### **Employee and Safety Management:**

Workers were inducted and informed of EMP conditions. All workers signed as confirmation of understanding the induction. Appropriate notification signage was erected at the mining site. This gives a clear warning to the public about the hazard around the mining site and presence of heavy vehicles and machinery.

### **DOCUMENT CHECKLIST:**

- |                                                  |                                                                                              |
|--------------------------------------------------|----------------------------------------------------------------------------------------------|
| • Environmental Authorisation                    | - Present                                                                                    |
| • Mining Right                                   | - Present                                                                                    |
| • Environmental Management Plan                  | - Present                                                                                    |
| • Confirmation of Contractors                    |                                                                                              |
| Awareness of EA Conditions                       | - Present                                                                                    |
| • Environmental Induction and Awareness Training | - Present                                                                                    |
| • Letter of Enactment to DMR                     | - Present                                                                                    |
| • Alien Vegetation Control Programme             | - Present                                                                                    |
| • Dust Monitoring Plan                           | - Present                                                                                    |
| • Emergency Preparedness Plan                    | - Present                                                                                    |
| • Complaints Register                            | - Present                                                                                    |
| • Waste Registers                                | - Present                                                                                    |
| • Reporting of Environmental Incidents           | - Present                                                                                    |
| • Incidents and Accidents Register               | - Present                                                                                    |
| • Environmental Audit Report                     | - Present                                                                                    |
| • Water Authorisation                            | - <b><i>Not present application currently at head office awaiting approval from DWS.</i></b> |



## INSPECTION SHEET ENVIRONMENTAL CONTROL OFFICER

### POSITIVE FINDINGS:

- Labelled Bins with lids were placed closer to the current mining area.
- Chemical toilet.
- Eating area
- Dust unit 4 moved to correct location.
- Speed limit sign and stop sign erected

### NEGATIVE FINDINGS:

- Client still to urgently implement clear visible boundary markers, **Google earth currently shows that the mining is out of the boundary areas on two separate sections and must be rectified urgently.**
- The approval clearly states that only one hectare may be mined at any given time. **Currently there is 3 open hectares.**
- **The fence between the wetland area and current mining area was taken down and must be replaced immediately.**
- A 40 m buffer area must be demarcated, sign posted and managed as no-go area around areas with natural vegetation. **Currently the open mining strip falls within the 40m buffer area and should be rectified immediately.**
- A 40 m buffer area must be demarcated at the wetland marked as wetland 3 between coordinates j & g as seen on the Site activities map included in this report.
- Buffers of 10m must be implemented and maintained in respect of the two Eskom power lines to ensure that no construction work is executed close to any Eskom structure or structures supporting mechanisms. No work or machinery is near to the conductors of the respective power lines and there is an obstruction free zone around all pylons.
- Ensure that the animals grazing the open areas are safeguarded from the mining area and trucks.
- Dust units incorrectly placed.

### MATTERS TO BE ADDRESSED ON SITE:

- Client still to urgently implement clear visible boundary markers, **Google earth currently shows that the mining is out of the boundary areas on two separate sections and must be rectified urgently.**
- The approval clearly states that only one hectare may be mined at any given time. **Currently there is 3 open hectares.**
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- A 40 m buffer area must be demarcated, sign posted and managed as no-go area around areas with natural vegetation. **Currently the open mining strip falls within the 40m buffer area and should be rectified immediately.**



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- Ensure that the animals grazing the open areas are safeguarded from the mining area and trucks.
- Dust units incorrectly placed re allocated.

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

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

### **NEED FOR AMENDMENT OF THE EMPR:**

N/A

### **FINANCIAL PROVISION:**

The financial provision to be provided to the Department of Mineral Resources and Energy by Purple Rain Properties No 411 (Pty) Ltd to cover the financial provision amount for 2020 was calculated to be R 212 071.58. The 2020 financial provision does not exceed the value of financial guarantee in place at the DMRE, and the right holder does not have to provide a shortfall

*The annual review of the financial provision will be done in May and will be increased due to the 3 hectares open on site.*



**INSPECTION SHEET ENVIRONMENTAL CONTROL OFFICER**

**ECO SIGNATURE:**

NAME:	SIGNATURE:	DATE:
Murchellin Saal		30 April 2021

**PHOTOGRAPHS:**

**ENTRANCE TO MINING RIGHT WITH MINING SIGNAGE BOARDS- DOORNKRAAL**



**ACCESS ROADS LEADING TO AND FROM THE CURRENT OPEN MINING AREA**







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**MINING RIGHT AREA**





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**ESKOM POWER LINES:** Buffers of 10m must be implemented and maintained in respect of the two eskom power lines to ensure that no construction work is executed close to any eskom structure or structures supporting mechanisms. No work or machinery is near to the conductors of the respective power lines and there is an obstruction free zone around all pylons.







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**1<sup>ST</sup> MINING STRIP COMPLETELY REHABILITATED**



**NEW OPEN STRIP NEXT TO PREVIOUSLY REHABILITATED AREA (0.67 HECTARE OPEN)**



**CURRENT OPEN MINING AREA CLOSE TO WETLAND 1 – (2.11 HECTARES OPEN)**



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**PROCESSING AREA**





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**STOCKPILE AREA**



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**EATING AREA**



**TOILET**



**THREE SEALED BINS – STILL TO BE LABELLED**



**SPEED LIMIT SIGNAGE IN PLACE**



**STOP SIGN**





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**TELKOM MAST WAS BARICADED IN MARCH TO INCLUDE A SIGNAGE BOARD AS NO GO AREA**



**HOWEVER IN APRIL THE TAPE WAS TORN AND CLIENT IS REQUIRED TO ERECT A MORE PERMANENT BARICADING WITH A SIGNAGE BOARD.**



**2<sup>ND</sup> TOILET SITUATED AT THE ADDITIONAL OPEN AREA TIPPED AND MUST BE PLACED ON A STABLE AREA.**





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**DUST MONITORING POINTS, ALL UNITS WERE INCORRECTLY PLACED AND MUST BE MOVED ACCORDINGLY**







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**END OF APRIL REPORT**