

EPA Action List
Date: 28/01/2022
Responsible Person: Mr. J. Lambrechts

Matter to be addressed
Basal De Aar Stone Crushers Quarry - NC 30/15/12/210075 MR

Matter to be addressed	Additional Comment	Action to be taken	Planned Completion Date	Responsible Person	Date Completed	Signature	Photo Proof (if applicable)
The invader plant species must be removed		Removed	Completed	G. Lambrechts	21 January 2022		Attached
Construct a sufficient bunded area for the storage of used oil and other hazardous waste		Constructed	Completed	M. Lambrechts	02 February 2022		Attached
Train all employees on the handling and disposal of hazardous waste		Training	Completed	M. Lambrechts	11 February 2022		Attached
Clean the oil spills at the used oil storage area		Cleaned	Completed	M. Lambrechts	18 January 2022		Attached
Complete an Emergency Preparedness Plan		Completed	Completed	M. Lambrechts	14 February 2022		Attached
Mark the general waste drums and fit them with lids		Marked	Completed	M. Lambrechts	15 February 2022		Attached
Start the use of general-, hazardous-, and liquid waste registers		Done	Completed	A. de Villiers	18 January 2022		Attached
Obtain an opinion from an archaeologist regarding the need for an HIA	Archaeologist to be appointed during section 102 application						
Update the monthly audits to include the requirements of page 53 of the EMFR		On going	On going	M. Lambrechts	29 January 2022		Attached
Add an Incident Register and Complaints Register to the site file		Done	Completed	A. De Villiers	18 January 2022		Attached







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Before



In progress



Completed



De Aar Stone Crushers Training Register

Date	Type of Training	Trainees	Time Start	Time Stop	Signature	Comments
	Hazardous Chemical Waste	ABRAHAM	07:10	07:40	[Signature]	
	"	NERIAN	"	"	[Signature]	
	"	Fanie Willemse	"	"	[Signature]	
	"	Ruinen Pukke	"	"	[Signature]	
	"	Jasia Maake	"	"	[Signature]	
	"	Zanile Blaauw	"	"	[Signature]	
	"	Manane Mahlwa	"	"	[Signature]	
	"	Andrieus Tormer	"	"	[Signature]	
16/02/20	"	Dede Albert	"	"	[Signature]	
	"	Evant Ndgor	"	"	[Signature]	
17/02/20	"	Heiboo	"	"	[Signature]	
	"	Richied Kamato	"	"	[Signature]	
	"	Toy Joes	"	"	[Signature]	

De Aar Stone Crushers Training Register

Date	Type of Training	Trainees	Time Start	Time Stop	Signature	Comments
11.02.2020	Hazardous Chemical Waste	B. J. Louw	07:10	08:10	[Signature]	
11.02.2020	"	Syambulelor	"	"	[Signature]	
	"	Recht	"	"	[Signature]	
	"	Manuabisi Kwasimane	"	"	[Signature]	
	"	ANDREW STUURMAN	"	"	[Signature]	
	"	Jani S. d. d. d.	"	"	[Signature]	
	"	MESHACK MPINSA	"	"	[Signature]	
	"	Jahonnes Khandi	"	"	[Signature]	
	"	Parabla Moxonj	"	"	[Signature]	
	"	Gerolan Gachula	"	"	[Signature]	
	"	Jaha weds	"	"	[Signature]	
	"	Jan weds	"	"	[Signature]	
	"	ALFRED WITBOOI	"	"	[Signature]	
	"	HENRIK HUMAN	"	"	[Signature]	
	"	LORWABO	"	"	[Signature]	
	"	Sarvan. Lalasa	"	"	[Signature]	
	"	MATHEOSANDILO	"	"	[Signature]	
	"	J BOSMAN	"	"	[Signature]	
	"	Sparke Rutter	"	"	[Signature]	
	"	Y. N. a. y. e. l. d.	"	"	[Signature]	
	"	A. M. L. w. a. n. e.	"	"	[Signature]	
	"	BEJAN NYWOS	"	"	[Signature]	
	"	a. J. a. r. m. e. r.	"	"	[Signature]	
	"	M. G. I. v. e. n.	"	"	[Signature]	
	"	L. B. o. n. i. n. u.	"	"	[Signature]	



**DE AAR STONE CRUSHERS EMPOWER (PTY) LTD
MINING ON PORTION 49 AND 50 OF FARM NO 180 DE AAR,
HANOVER MAGISTERIAL DISTRICT,
NORTHERN CAPE PROVINCE**

EMERGENCY PREPAREDNESS PLAN

DMRE REFERENCE NUMBER:	NC 30/5/1/2/2/10075 MR
VERSION:	FEBRUARY 2022

PREPARED FOR:

De Aar Stone Crushers Empower (Pty) Ltd

Contact Person: Mr J Lambrechts

Tel: 053 631 0945

Cell: 083 259 6096

Postal Address:

P.O. Box 340

De Aar

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PREPARED BY:

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EMERGENCY PREPAREDNESS PLAN

De Aar Stone Crushers Empower (Pty) Ltd – Portion 49 and 50 of Farm No 180 De Aar

EXECUTIVE SUMMARY

Condition 8 of the Environmental Management Plan (EMP) Approval of De Aar Stone Crushers Empower (Pty) Ltd (DASC) for the mining right held over Portion 49 and 50 of Farm No 180 requires the holder to maintain and implement an emergency preparedness plan (EPP) for the duration of the project.

In light of this, Greenmined Environmental (Pty) Ltd was contracted by DASC to compile an Emergency Preparedness Plan for the mining operation.

The EPP must be disseminated to all employees and contractors and consulted in the event of an emergency. The EPP must be placed at the mine where it is easily viewed. The EPP must contain a list of emergency procedure, evacuation routes and a list of emergency contact numbers. It is advisable that the mine regularly test the Emergency Preparedness Plan to identify areas for improvement, and review it biennially.

EMERGENCY PREPAREDNESS PLAN

De Aar Stone Crushers Empower (Pty) Ltd – Portion 49 and 50 of Farm No 180 De Aar

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ABBREVIATIONS

A&I	Accidents and Incidents Register
DAEARDLR	Department of Agriculture, Environmental Affairs, Rural Development and Land Reform
DoL	Department of Labour
DWS-NC	Department of Water and Sanitation – Northern Cape Province
EPP	Environmental Preparedness Plan
H&S	Health and Safety
HAZMAT	Hazardous Materials
ELM	Emthanjeni Local Municipality
SANRAL	South African National Roads Agency Limited
SAPS	South African Police Service

EMERGENCY PREPAREDNESS PLAN

De Aar Stone Crushers Empower (Pty) Ltd – Portion 49 and 50 of Farm No 180 De Aar

DISCLAIMER

This plan 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.

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Whilst every endeavour has been made by the Greenmined to ensure that information provided is correct and relevant, this plan 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 plan as this plan 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.

EMERGENCY PREPAREDNESS PLAN

De Aar Stone Crushers Empower (Pty) Ltd – Portion 49 and 50 of Farm No 180 De Aar

1. INTRODUCTION

De Aar Stone Crushers Empower (Pty) Ltd (hereafter referred to as the MR Holder) holds a mining right over Portion 49 and 50 of Farm No 180 De Aar for aggregate. Condition 8 of the Environmental Management Plan (EMP) Approval requires the holder to *“implement an Emergency Preparedness Plan and review it bi-annually when conducting audit and after each emergency and or major accident.”*

2. SITE LOCATION

The mine is located ±7 km south of De Aar. The approved mining footprint is 62.8810 ha, and the GPS coordinates to the entrance of the site is 30°42'46.05"S; 24°00'32.11"E.

3. EMERGENCY PREPAREDNESS PLAN

It is important that all personnel at the mining operation know how to respond in the event of an emergency to avoid significant environmental degradation or injury to human health. Although environmental emergencies should be avoided, accidents do occur and management after such events is of the utmost importance.

3.1 Defining an Emergency Preparedness Plan

Emergencies occur over the short terms and require an immediate response. A mine, as part of its management tools, especially if it is ISO 9000 and ISO 14 0001 compliant, must have an EPP. The EPP must be disseminated to all employees and contractors and consulted in the event of an emergency.

The EPP must be placed at the mine where it is easily viewed. The EPP must contain a list of emergency procedure, evacuation routes and a list of emergency contact numbers. It is advisable that the mine regularly test the emergency preparedness plan to identify areas for improvement.

Communication is vital in an emergency and communication devices, such as mobile phones, two-way radios, or telephones, must be available at the mine. If the emergency has the potential to affect the surrounding communities, they should be alerted via alarm signals or contacted in person. A contact list of emergency response units must be clearly displayed at the work area.

The contact list can include, but not be limited to, the following:

- ❖ Emergency health services such as ambulances, paramedic teams, poison centres;
- ❖ Environmental agencies, especially those responsible for air, water and waste issues;
- ❖ Fire Department;
- ❖ Hospitals, both local and further afield for specialist care;
- ❖ Police;
- ❖ Public health authorities;
- ❖ Roads authorities;
- ❖ Surrounding landowner information.

5. EMERGENCY PROCEDURES

5.1 SPILLAGE OF DIESEL, HYDROCARBONS AND/OR OTHER CHEMICALS

SPILLAGE OF DIESEL, HYDROCARBONS AND/OR OTHER CHEMICALS	
<p>1. INSPECTOR / OBSERVER:</p> <ul style="list-style-type: none"> ❖ Report to Foreman and continue observations. ❖ Also check that source causing spillage is decommissioned, and that affected area is isolated to prevent spreading of hazardous substance. ❖ Foreman to inform environmental conservation officer (ECO). 	<ul style="list-style-type: none"> ❖ Foreman Cell No: <u>076212 8225</u> ❖ ECO Cell No: <u>083 259 6096</u>
<p>2. ECO SITE AGENT:</p> <ul style="list-style-type: none"> ❖ Stop work on the area and take immediate action. <p><u>SMALL LEAK / SPILL:</u></p> <ul style="list-style-type: none"> ❖ Take photos of the affected area prior to cleaning it. ❖ Use spill kit to clean the affected area. ❖ Remove the contaminated soil to the hazardous waste storage area and store within bunded area until removed from site. ❖ Inform the site manager. ❖ Take photos of the cleaned area and file with Accidents and Incidents (A&I) Register. ❖ Add the incident to the A&I Register with photos as proof. ❖ Ensure that the source of contamination is removed from site until repaired. <p><u>LARGE LEAK / SPILL:</u></p> <ul style="list-style-type: none"> ❖ Contain the contamination to the immediate area, to prevent further pollution. ❖ Inform the following: <ul style="list-style-type: none"> • Site manager • Department of Agriculture, Environmental Affairs, Rural Development and Land Reform (DAEARDLR) • Department of Water and Sanitation – Northern Cape Province (DWS-NC) 	<ul style="list-style-type: none"> ❖ ECO Cell No: <u>083 259 6096</u> ❖ Site Manager Cell No: <u>078 303 2067</u> ❖ ELM: 053 632 9100 ❖ Fuel44: 083 640 8154 ❖ Enviroserv: 051 432 2940 ❖ DAEARDLR: 053 807 7431 ❖ DWS-NC: 053 830 8800

EMERGENCY PREPAREDNESS PLAN

De Aar Stone Crushers Empower (Pty) Ltd – Portion 49 and 50 of Farm No 180 De Aar

SPILLAGE OF DIESEL, HYDROCARBONS AND/OR OTHER CHEMICALS

- Emthanjeni Local Municipality (ELM)
- ❖ Take photos of the affected area prior to cleaning.
- ❖ Arrange registered HAZMAT contractor to clean and rehabilitate the area.
- ❖ Add the incident to the Accidents and Incidents (A&I) Register with photos as proof.
- ❖ Obtain written confirmation of successful cleaning and safe disposal certificate from HAZMAT contractor
- ❖ Ensure that the source of contamination is removed from site until repaired.

EMERGENCY PREPAREDNESS PLAN

De Aar Stone Crushers Empower (Pty) Ltd – Portion 49 and 50 of Farm No 180 De Aar

5.2 SNAKE BITE

SNAKE BITE

1. OBSERVER:

- ❖ Notify foreman and move victim away from danger.
- ❖ Identify snake if safe to do so.
- ❖ Foreman to calm victim and inform first aider.

- ❖ Foreman Cell No: 076 212 8225
- ❖ First Aider Cell No: 078 303 2067

2. FIRST AIDER:

- ❖ Calm victim, have the person lie down and remain as still as possible. Keep affected limb below the heart.
- ❖ Remove clothing around wound as well as restrictive items such as rings or shoes.
- ❖ Flush wound with plenty of water to wash away any remaining poison.
- ❖ Cover the wound with loose, sterile bandage.
- ❖ Do not cut, press or suck area.
- ❖ Keep airway open and do not give victim alcohol or other liquids to drink.
- ❖ Arrange for someone to call ahead informing the hospital of the snake bite victim on the way. Request ambulance if necessary.
- ❖ Transport victim to nearest medical facility.
- ❖ Inform the following parties:
 - ECO
 - Site Manager
- ❖ Only restart work once the area was declared safe by the ECO/Site Manager.
- ❖ Add incident to the A&I Register.

- ❖ First Aider Cell No: 078 303 2067
- ❖ ECO Cell No: 083 259 6096
- ❖ Site Manager Cell No: 083 298 098
- ❖ De Aar Hospital: 053 632 4000
- ❖ Ambulance: 053 631 1575 / 10177

EMERGENCY PREPAREDNESS PLAN

De Aar Stone Crushers Empower (Pty) Ltd – Portion 49 and 50 of Farm No 180 De Aar

5.3 FIRE

FIRE

<p>1. OBSERVER:</p> <ul style="list-style-type: none"> ❖ Report to Foreman and extinguish fire if safe to do so. ❖ If not, assist any person in immediate danger to safety and continue observations from a safe distance. ❖ Foreman to inform Fire fighter and remove any equipment or tools that might be in danger. 	<ul style="list-style-type: none"> ❖ Foreman Cell No: <u>076 212 8225</u> ❖ Fire Fighter Cell No: <u>0783032067</u>
<p>2. FIRE FIGHTER:</p> <ul style="list-style-type: none"> ❖ Inform the following parties: <ul style="list-style-type: none"> • ECO • Site manager and request help from landowner if needed. • Call Fire Brigade if necessary. ❖ Organise employees to extinguish the fire and issue firefighting equipment and PPE. ❖ Fight fire with fire beaters and extinguishers. ❖ Only restart work once the fire has been snuffed. ❖ Check that fire was properly snuffed and no glowing embers are left. ❖ Determine loss and report to site manager. ❖ Add incident to the A&I Register with photos as proof. ❖ Only restart work when area was cleared by ECO/Site Manager. 	<ul style="list-style-type: none"> ❖ ECO Cell No: <u>083 259 6096</u> ❖ Site Manager Cell No: <u>083 298 0498</u> ❖ Landowner Cell No: <u>083 259 6096</u> ❖ Fire Brigade (De Aar): 082 904 8614 / 8543
<p>3. SITE MANAGER:</p> <ul style="list-style-type: none"> ❖ Inform landowner and request help if needed. ❖ Evaluate loss and report to landowner. 	

EMERGENCY PREPAREDNESS PLAN

De Aar Stone Crushers Empower (Pty) Ltd – Portion 49 and 50 of Farm No 180 De Aar

5.4 DAMAGE TO VEGETATION OR DRIVING IN UNDISTURBED NO-GO AREA

DAMAGE TO NATURAL VEGETATION OR DRIVING IN UNDISTURBED NO-GO AREAS	
<p>1. INSPECTOR / OBSERVER:</p> <ul style="list-style-type: none">❖ Report to Foreman.❖ Foreman to inform ECO and prevent further damage.	<ul style="list-style-type: none">❖ Foreman Cell No: <u>076 212 8225</u>❖ ECO Cell No: <u>078 303 2067</u>
<p>2. ENVIRONMENTAL CONTROL OFFICER:</p> <ul style="list-style-type: none">❖ Inform the following parties:<ul style="list-style-type: none">• Site Manager• Landowner❖ Assess damage and compile Rehabilitation Action Plan.❖ Take photos of disturbed area and add incident to the A&I Register.❖ Implement rectification/rehabilitation actions.❖ Obtain written confirmation, from an independent environmental specialist that rehabilitation was done to satisfaction.❖ Take photos of rehabilitated area and close-out incident in A&I Register.❖ Take action against employee that caused the incident.	
<p>3. SITE MANAGER:</p> <ul style="list-style-type: none">❖ Inform the landowner and obtain input in the Rehabilitation Action Plan.❖ Issue fine if applicable.❖ Arrange the audit of rectification measures by an independent environmental specialist to obtain approval when area was properly rehabilitated.	

EMERGENCY PREPAREDNESS PLAN

De Aar Stone Crushers Empower (Pty) Ltd – Portion 49 and 50 of Farm No 180 De Aar

5.5 NATURAL DISASTERS

NATURAL DISASTERS (SEVERE STORMS, FLOODING, VELD FIRES)	
<p>1. OBSERVER:</p> <ul style="list-style-type: none"> ❖ Report the pending natural disaster to the Foreman ❖ Take shelter. 	<ul style="list-style-type: none"> ❖ Foreman Cell No: <u>076 212 8225</u> ❖ Fire Fighter Cell No: <u>0783032067</u> ❖ First Aider Cell No: <u>0783032067</u>
<p>2. FOREMAN:</p> <ul style="list-style-type: none"> ❖ Inform the following parties: <ul style="list-style-type: none"> ▪ ECO ▪ H&S Representative ▪ First Aider ▪ Site manager and request help from landowner if needed. ▪ Call Fire Brigade if necessary. ❖ Move site machinery and/or equipment to a sheltered area if safe to do so. ❖ Evacuate employees orderly from site. ❖ Account for all personnel and provide status report to Site Manager ❖ Only restart work when area was cleared by ECO/Site Manager. ❖ Determine loss and report to site manager. ❖ Add incident to the A&I Register with photos as proof. 	<ul style="list-style-type: none"> ❖ ECO Cell No: <u>0832596096</u> <u>0783032067</u> ❖ H&S Rep Cell No: <u>0832596096</u> ❖ First Aider Cell No: <u>0783032067</u> ❖ Site Manager Cell No: <u>0832980498</u> ❖ Landowner Cell No: <u>0832596096</u> ❖ Fire Brigade (De Aar): 082 904 8614 / 8543 ❖ Ambulance: 053 631 1575 / 10177

EMERGENCY PREPAREDNESS PLAN

De Aar Stone Crushers Empower (Pty) Ltd – Portion 49 and 50 of Farm No 180 De Aar

NATURAL DISASTERS (SEVERE STORMS, FLOODING, VELD FIRES)

3. SITE MANAGER:

- ❖ Monitor weather services
- ❖ Activate alarm if impact is imminent
- ❖ Conduct post-emergency evaluation and report.
- ❖ Report to relevant authorities if applicable.

EMERGENCY PREPAREDNESS PLAN

De Aar Stone Crushers Empower (Pty) Ltd – Portion 49 and 50 of Farm No 180 De Aar

5.6 INDUSTRIAL ACTION

INDUSTRIAL ACTION (OFFICIAL, UNOFFICIAL, STRIKES)

PRE-ACTION

1. SITE MANAGER:

- ❖ Ensure contingency plans are in place in anticipation of a strike, such as:
 - patient safety and continuity of care,
 - H&S for non-striking employees, and contractors,
 - determine if industrial action will lead to breach of contracts or interference with a third party.
- ❖ Do a risk assessment to determine which services are essential.
- ❖ Identify key elements that need to be in place for these services to be delivered.

- ❖ Ambulance: 053 631 1575 / 10177
- ❖ DoL: 053 631 0455
- ❖ Fire Brigade (De Aar): 082 904 8614 / 8543
- ❖ SAPS: 053 632 9500

❖ First Aider Cell No: **0783032067**

DURING ACTION

2. SITE MANAGER:

- ❖ Implement contingency plan as soon as notice of a strike is received from the trade union.
- ❖ Communicate contingency plans with non-striking site management.
- ❖ Confirm number of staff who are considering taking industrial action.
- ❖ Review rotas to identify impact on service delivery, identify any gaps.
- ❖ Rearrange rotas, if able, to minimise disruption to service delivery, identify any gaps.
- ❖ Prioritise essential services.
- ❖ Match available staff capacity with provision of essential services, identify any gaps.
- ❖ Contact the police if industrial action turns violent.
- ❖ Implement evacuation procedures of non-striking employees.

❖ MLM Ward Councillor: _____

❖ Trade Union Contact: _____

EMERGENCY PREPAREDNESS PLAN

De Aar Stone Crushers Empower (Pty) Ltd – Portion 49 and 50 of Farm No 180 De Aar

INDUSTRIAL ACTION (OFFICIAL, UNOFFICIAL, STRIKES)

- ❖ Only restart work once the workplace is safe.

POST ACTION

3. SITE MANAGER:

- ❖ Arrange a debriefing meeting with site management.
- ❖ Determine loss and review the risk assessments.
- ❖ Add incident to the A&I Register with photos as proof.
- ❖ Notify payroll of the staff for whom pay deductions are to be made.

EMERGENCY PREPAREDNESS PLAN

De Aar Stone Crushers Empower (Pty) Ltd – Portion 49 and 50 of Farm No 180 De Aar

6. REPORTING ENVIRONMENTAL INCIDENTS

In the event of an incident as defined in the National Environmental Management Act, 1998 (Act No. 107 of 1998) (as amended) site management must adhere to the following steps:

Step 1 (Section 30(3)) "The responsible person or, where the incident occurred in the course of that persons employment, his or her employer must forthwith after knowledge of the incident, report through the most effective means reasonably available –

- a) The nature of the incident
- b) Any risks posed by the incident to public health, safety and property
- c) The toxicity of substances or by-products released by the incident, and
- d) Any steps that should be taken in order to avoid or minimise the effects of the incident on public health and the environment to –
 - i) the Director General
 - ii) the South African Police Services and the reliant fire prevention service
 - iii) the relevant provincial head of department or municipality, and
 - iv) all persons whose health may be affected by the incident."

Step 2 (Section 30(4)) "The responsible person or, where the incident occurred in the occurs of that person's employment, his or her employer, must as soon as reasonably practicable after knowledge of the incident –

- a) take all reasonable measures to contain and minimise the effects of the incident, including its effects on the environment and any risks posed by the incident to health, safety and property of persons,
- b) undertake clean-up procedures
- c) remedy the effects of the incident
- d) assess the immediate and long-term effects of the incident on the environment and public health."

Step 3 (Section 30(5)) "The responsible person or, where the incident occurred in the occurs of that person's employment, his or her employer, must within 14 days of the incident, report to the Director General, provincial head of department and municipality such information as is available to enable an initial evaluation of the incident, including –

- a) the nature of the incident
- b) the substances involved and an estimation of the quantity released and their possible acute effect on person and the environment and data needed to assess these effects
- c) initial measures taken to minimise impacts
- d) causes of the incident, whether direct or indirect, including equipment, technology, system, or management failure, and
- e) measures taken and to be taken to avoid a recurrence of such incidents."

EMERGENCY PREPAREDNESS PLAN

De Aar Stone Crushers Empower (Pty) Ltd – Portion 49 and 50 of Farm No 180 De Aar

7. MANAGEMENT REVIEW AND COMMENT

I reviewed and understand the contents of this emergency preparedness plan. I acknowledge that this EPP is a live document in need of biennial review. I undertake to inform all employees and contractors of the EPP and implement the plan when needed.

Manfred

Print Name



Signature

15.02.2022

Date



**DE AAR STONE CRUSHERS EMPOWER (PTY) LTD, AGGREGATE MINE ON
PORTION 49 AND 50 OF FARM NO 180 DE AAR, HANOVER MAGISTERIAL
DISTRICT, NORTHERN CAPE PROVINCE**

ENVIRONMENTAL AUDIT CHECKLIST

DMR REFERENCE NUMBER:	NC 30/5/1/2/2/1/0075 MIR
AUDIT PERIOD:	

PREPARED BY:

De Aar Stone Crushers Empower (Pty) Ltd

Contact Person: Mr J Lambrechts

Tel No: 053 631 0945

Cell No: 083 259 6096

INSPECTION SHEET ENVIRONMENTAL CONTROL OFFICER

Site Name:	De Aar Stone Crushers	Inspection Date:	11.01.2022
Contractor:	De Aar Stone Crushers Empower (Pty) Ltd	Report Number:	
ECO:	M leubrecht/15		
Inspected areas	DASC Plant		

DESCRIPTION	TO STANDARD		NOT TO STANDARD		NOTES	ACTION DATE	ACTIONS TO BE TAKEN
	✓	✓	✓	✓			
Mining Right still valid	✓						
EMPR, MWP, Mine Plan and SLP available	✓						
SOIL & AGRICULTURAL POTENTIAL							
Topsoil stripped and stockpiled	✓						
Topsoil heap <2m high	✓						
Topsoil protected to be used for rehabilitation	✓						
Surface slope maintained – excavation free draining	✓						
Erosion visible	✓						
Topsoil returned to rehabilitated areas	✓						
BIODIVERSITY							
Aliens & weeds controlled on site.			✓				
Animals, birds and reptiles protected on site	✓				Raining Season	01.02.2022	weeds to be removed
Excavation daily inspected for signs of trapped animals.	✓						
Rehabilitated area covered with natural vegetation as required in the rehabilitation plan.	✓						

INSPECTION SHEET ENVIRONMENTAL CONTROL OFFICER

DESCRIPTION	TO STANDARD		NOT TO STANDARD		NOTES	ACTION DATE	ACTIONS TO BE TAKEN
	✓		✓				
Dust suppression implemented.	✓						
Monthly fallout dust monitoring implemented	✓						
Speed of vehicles controlled to lessen dust generation and road deterioration	✓						
Sprayers of crusher operational	✓						
Activities reduced during strong winds.	✓						
Noise control implemented (no loud music).	✓						
Mining equipment serviced regularly to lessen noise emissions.	✓						
Operation hours in accordance with the EMPP.	✓						
WASTE MANAGEMENT							
Workers provided with environmental awareness training.	✓						
Waste collected in sealable containers.	✓						
Site free of day-to-day litter.	✓						
General waste dumped at a recognised landfill site.	✓						
Hazardous waste removed by a registered waste handling contractor to a registered hazardous waste landfill site	✓						
Spillages not disposed of into the environment, ditches, drains or water courses.	✓						
No waste stockpile area allowed outside the boundaries of the mining area.	✓						
Proper sanitation facilities available to employees.	✓						
Waste registers up to date.	✓						
Services only taking place in workshop	✓		✓				
No concrete mixing on the bare soil	✓						

Concrete will be provided necessary paper 11-01-22 will be in place in the following month

INSPECTION SHEET ENVIRONMENTAL CONTROL OFFICER

DESCRIPTION	TO STANDARD		NOT TO STANDARD		NOTES	ACTION DATE	ACTIONS TO BE TAKEN
	✓		✓				
HERITAGE RESOURCES							
Archaeological, heritage and/or cultural remnants protected.	✓						
MANAGEMENT OF FUEL AND HAZARDOUS PRODUCTS							
Sealed drip trays used and managed on site.	✓						
Mining equipment mechanically sound.	✓						
Regular maintenance of equipment done in <i>Cherwillern, De WJ</i>	✓						
Complete oil spill kit/absorbent material available.	✓						
Management of fuel and oil spills	✓						
MSDS list up to date	✓						
Hazardous substances all in bunded area / secondary containment	✓						
FIRE MANAGEMENT							
Firefighting equipment available on-site	✓						
Fires contained to facilities specially constructed for the purpose	✓						
Employees trained in firefighting	✓						
Combustibles kept away from fuel storage	✓						
Gas and liquid fuel stored separately	✓						
MINE & EQUIPMENT MANAGEMENT							
Mining area demarcated with visible beacons	✓						
Good visual and housekeeping standards.	✓						
Mining contained to designated mining area.	✓						
Unnecessary surface disturbance avoided.	✓						
Incident & complaints register available.	✓						
ACCESS ROADS, VEHICLES & TRANSPORTING OF MATERIAL							
Access road maintained.	✓						

INSPECTION SHEET ENVIRONMENTAL CONTROL OFFICER

DESCRIPTION	TO STANDARD	NOT TO STANDARD	NOTES	ACTION DATE	ACTIONS TO BE TAKEN
Movement of project vehicles and machinery restricted to the approved mining area. No crisscrossing through undisturbed areas.	✓				
Speed limit enforced along the access road.	✓				
Daily and monthly inspections done of machinery	✓				
Haul roads clearly marked and signposted	✓				
EMPLOYEE AND SAFETY MANAGEMENT					
Workers inducted and informed of EMP conditions	✓				
Proof of training available	✓				
Workers provided with PPE	✓				
Signage, indicating the mining site and speed restrictions, in place,	✓				
Effective access control to prevent unauthorised entry.	✓				