

Disturbance of archeological ruins

Part 1 - Notification

Incident Details

Incident Date	Repeat	Staff	Type	Days Open	Status	Closed On
2018/07/24 08:30	No	Employee	Controlled	8	Closed	2018/08/01

What Happened: On the 24th July 2018, as the morning shift was excavating in the opencast North Pit, ruins that were suspected to be human descent were dug up.

Immediate Action: Excavation relating to the opencast mining activities within that specific area and surroundings was halted. SAPS & Forensic Department was immediately notified and called to the scene. An archeologist was also informed and site visit was arranged for further investigations

Initial Reviewer: Ramokgadi, Zama (336273)

Responsible Area: Lwala Mine (Mining - Opencast)

Responsible Person: Ramokgadi, Zama (336273) **Contact No.:** 0132307007

Does a Site Standard or procedure Exist to control this risk? **No**

Nature and Extent of Injuries/Damage/Impact: **Potential disturbance of archeological ruins**

Assigned Investigator: Ramokgadi, Zama

Closing Signature (Investigator): Ramokgadi, Zama

Closing Signature (Manager): Brink, Bertus

Environmental Impact 1 identified

EMS nonconformances

Environmental management system failures or deviations that could result in pollution or impact on the site's ISO14001 accreditation. Typical examples could include significant aspects not considered in awareness training program, no monitoring procedure, no waste management procedure, policy not complying to ISO 14001 requirements, management review not complying to requirements of ISO 14001.

Potential breach of the National Heritage Resources Act 25 of 1999

Severity Levels & Risk Categories

Type	Actual	Potential	Risk Categories (Incl. Fatal Risk Control Protocols)
Legal	1	2	• Legal non compliance
Social/Community/Cultural Heritage	1	2	
Public/Government/Media/Reputation		1	
Operational Impact		2	

Employee Involvement 2 identified

Ramokgadi, Zama (336273): Witness

Rambau, Mpho (355352): Witness

Witnesses 3 identified

Steyn, Barend (365876) (365876)

Makitla, Charles (105608) (105608)

Booyesen, Heather (119075) (119075)

Injuries & Convalescence 0 identified

Costs Incurred 1 identified

Category	Item	Quantity	Cost per Item	Total Cost of Item
Investigation time	Management	8	930	7,440
	Other	1	9,600	9,600
Total Amount:				17,040

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Part 2 - Investigation

Investigation Team 8 identified

Booyesen, Heather (119075)	Makitla, Charles (105608)	Masalesa, Prince (366221)
Mashishi, Elsie (330282)	Rambau, Mpho (355352)	Ramokgadi, Zama (336273)
Steyn, Barend (365876)	Thobejane, Thabo (335334)	

Investigation Notes 6 identified

During Investigation

- At the time when the public consultation was undertaken and the community was consulted to identify possible grave sites in the area, No graves were identified on the impacted area
- The initial Heritage Impact Assessment Report submitted as part of the EMP application did not identify human remains on the area impacted (Northern opencast area of Lwala). The report is available for scrutinizing.
- For due diligence, a secondary impact assessment will be conducted, however the assessment area falls outside the area planned to be mined.
- Under investigation costs, an amount of R9600 was added (Consultant fee)
- The area impacted is on a flat terrain next to a stream of water which would have made it conducive for historic human settlement.
- The two sets of legislation relevant for this type of incident at hand are The National Heritage Resource Act (25 of 1999) (NHRA) and The Human Tissues Act (65 of 1983)

ICAM - Contributing factors 2 identified

Individual/Team Actions

- **Enabling environment**
 - **IT13 - Other Enabler: Unsuitable**
At the time of consultation, none of the crop fields owners identified or indicated knowledge of any graves in the impacted area.
 - **IT1 - Authority Enabler: Partially**
According to the heritage impact assessment conducted, the survey was very thorough and because of the ploughed nature of the terrain, it was unlikely that any significant heritage resources were missed in the area impacted.

Mini ICAM - Contributing Factors 0 identified

Images

Bones uncovered at Lwala .



Archeological pottery uncovered at Lwala .



Documents

- **Lwala Surface Plan** Lwala Surface Plan
- **Consultation Fees** Consultation Fees

Key learnings 0 identified

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Corrective Actions 5 identified

Action No	Status	Target Date	Responsible Area	Original Target Date:	By Whom
67605	Completed	24-Aug-18	SS - HR	24-Aug-18	Thobejane, Thabo

Request: Pending the ruins discovered at Lwala mine during opencast mining activities, notify the SAPS and forensic department and document the ref number for the case

Performed: On the 24th July 2018, the South African Police Services Mecklenburg Office was notified and forensic department called to site Ref: Inquiry 01/07/2018

Action No	Status	Target Date	Responsible Area	Original Target Date:	By Whom
67607	Completed	30-Aug-18	Eastern Chrome Mines (Area)	30-Aug-18	Booyesen, Heather

Request: Acquire an archeologist to conduct further investigations on the impacted area and surroundings

Performed: Heritage Contracts and Archaeological Consulting CC (HCAC) was sourced to conduct the required further investigations

Action No	Status	Target Date	Responsible Area	Original Target Date:	By Whom
67608	Completed	30-Aug-18	Lwala Mine	30-Aug-18	Ramokgadi, Zama

Request: Follow up with Heritage Contracts and Archaeological Consulting CC (HCAC) to ensure the case is registered with SAHRA

Performed: The case was registered. SAHRA case number: 12759

Action No	Status	Target Date	Responsible Area	Original Target Date:	By Whom
67609	In progress	30-Aug-18	Lwala Mine	30-Aug-18	Ramokgadi, Zama

Request: Follow up with Heritage Contracts and Archaeological Consulting CC (HCAC) , review and finalise the memorandum for submission to SAHRA. The memo must outline the management plan of action to be followed incase of future incidents.

Performed:

Action No	Status	Target Date	Responsible Area	Original Target Date:	By Whom
67728	In progress	28-Sep-18	SS - Environmental	28-Sep-18	Rambau, Mpho

Request: Initiate phase 2 of heritage impact assessment.

Performed: