



**ENVIROMMENTAL MONOTORING REPORT  
FOR WOLMARANSSTAD EXT. 15  
ELECTRIFICATION PROJECT IN MAQUASSIE  
HILLS LOCAL MUNICIPALITY IN THE NORTH  
WEST PROVINCE**

**SAHRA PERMIT CASE ID: 13395**

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Date: 14 May 2020**

**Signature.....Ndou.....**

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## Acronyms

EMPr	Environmental Management Programme
DEA	Department of Environmental Affairs
DWS	Department of Water Affairs and Sanitation
ECO	Environmental Control Officer
EO	Environmental Officer
ELO	Environmental Liaison Officer
MC	Main Contractor
OHSA	Occupational Health & Safety Act
PPE	Personal Protective Equipment
EA	Environmental Authorisation
WUL	Water Use License
DAFF	Department of Agriculture, Forestry and Fisheries
SAHRA	South African Heritage Resources Agency

## 1) Introduction

This report serves to provide a summary of the findings/issues that have been identified during the construction environmental audit on 14 May 2020 for Wolmaransstad ext. 15 electrification project in Maquassie hills Local Municipality in the North West Province.

The project had to cease in the month of March due to Covid-19 lockdown. When the project ceased it was over 80% to be completed. The project had to resume in May 2020 when the country move to level 4 of lockdown.

The aim of this internal environmental monitoring report is to review existing processes, document the potential areas of non-compliance, and determine potential improvements that can be made to ensure compliance with the conditions of the SAHRA permit received on the 11<sup>th</sup> October 2019 for the project and also avoid, where possible, negative impacts on project-affected ecosystems and communities.

No other environmental permits from various competent authorities were obtained for this project such as tree cutting permit, Water Use license.

Where impacts are unavoidable, they should be reduced, mitigated, and/or compensated for appropriately as per the EMPr, SAHRA specifications compiled and received for the project.

## 1) Compliance evaluation

In order to address the requirements of both Eskom and the Competent Authority (SAHRA), a Checklist has been prepared to discuss the findings on within the construction site of the Wolmaransstad ext.15 electrification project. Environmental specifications included in the audit checklist was based specifically on SAHRA permit and Eskom's Environmental Specifications applicable to the project.

The checklist consists of a rating column and a compliance status report, which will indicate or reflect the level of compliance of the project to the EMPr and the SAHRA. The rating column is ranked from 0 - 1, where:

- 0 - Contractor is not complying with the requirements of the EMPr and SAHRA permit at all, and is not making any efforts/no evidence to remediate the situation.
- 1 - Contractor has fully complied with all EMPr requirements, SAHRA permit and specifications and to the satisfaction of the Eskom EO.

The compliance status reports will generally show the number of compliances and non-compliances per audit. The status report will also indicate the number of compliances versus non-compliances of the audit for the site. Please note that the audit process will classify activities/sections as **N/A** if the activity has not commenced or could not be determined by the auditors at the time this audit was undertaken.

The audit will also rate and consider some specifications as Work in progress (WIP). WIP will in this audit refer to an activity that has been started as an attempt by the Contractor to effectively curb, mitigate or address a particular environmental issue but had not fully completed by the time of the audit. All WIP's will not be scored/rated for the purposes of this audit but will be followed up in the next audit.

This report intends to provide information that demonstrates the EA and EMPr compliance of the project; the report contains the narrative as well as the checklist summary of the status of compliance on site, during the inspection. For the purposes of this audit, the description of the scoring methodology in terms of the overall compliance is briefly explained as follows:

Description	Percentage Rating
Unsatisfactory	<50%
Satisfactory	>50% - <90%
Well compliant	>90%
Fully compliant	100%

## **1. Site Camp**

At the time of the audit, the contractor had left the site. All used and unused materials have been removed from site. The site camp was well cleaned to the satisfaction of the landowner.

## **2. Construction site.**

At the time of audit the project was ready to be energized. There was nothing that was found showing any disturbance to the graves or the graveyard that was from the construction of this project.

No evidence of construction waste found onsite.

## **3. Public complaints**

No complaints was received from the community during construction and after the contractor had left the site.

The community is satisfied with the way the project was constructed and all got their connections.

## **4. Interference with the graves**

During the construction phase of the project no graves were interfered with. No evidence of any damage to the graves was noticed during this site monitoring post construction.

## 5. Waste disposal

All waste was removed from the site and was taken to the registered landfill site in Wolmaransstad in the North West province.

## 6. SAHRA CONDITIONS COMPLIANCE CHECKLIST

ENVIRONMENTAL OFFICER NAME: NDOU ROSINA  
PROJECT NAME: Wolmaransstad ext. 15 electrification

Dated: 14 May 2020

### EVALUATION OF SAHRA CONDITIONS COMPLIANCE

Number	SAHRA CONDITIONS	Tick the appropriate box		
		A	B	Comments and attachments
		1	0	
<b>SAHRA PERMIT CONDITIONS</b>				
1.	The installation of Electricity poles is to be done manually to avoid damaging graves, where possible	1		The digging of the poles was done manually however stringing of the conductor was done using the truck using the existing roads in the area.

2	Electricity poles closer to the graves must be cut on the surface instead of uprooting or excavating them should they need to be removed and reinserted, careful site monitoring must be adhered to	N/A		No poles are cut to date. This may only happen in the future during maintenance however the condition shall be taken into consideration.
3	If significant heritage resources are encountered, they must be analysed by an Archaeologist and reported to SAHRA immediately.	1		For the duration of the project none was encountered.
4	Should any graves, or the presence of which was previously unknown be uncovered during the course of the development, all construction activities must be stopped and the site must be left undisturbed. SAHRA Burial Grounds and Graves (BGG) Unit must be immediately and informed to advise accordingly SAHRA BGG Unit (Thingahangwi Tshivhase/Mimi Seetelo 012 320 8490).	1		No graves were uncovered during the construction phase of the project.
5	If any evidence of any human remains, archaeological or paleontological sites or remains (e.g., remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments and charcoal/ash concentrations), fossils or other categories of heritage resources are found during the proposed activities, SAHRA APM Unit (Natasha Higgitt/Philip Hine 021 462 4502)	1		No human remains were uncovered during the construction phase of the project.
6	Professional archaeologist or palaeontologist, depending on the nature of the finds, must be contacted as soon as possible to inspect the findings	1		Nothing was uncovered during construction that needed professional archaeologist or palaeontologist specialists during construction

				phase of the project.
8	If the newly discovered heritage resources prove to be of archaeological or palaeontological significance a complete Phase 2 rescue operation might be necessary	1		None was discovered when the project was built.
9	All roads and access routes to be carefully monitored to ensure that graves are not disturbed or adversely affected due to activities on site.	1		Only existing roads were used during the construction of the project.
10	Human remains must at all times be handled and treated with respect and graves should not be disturbed where possible.	1		During the construction phase of the project no human remains or graves were disturbed.
11	A final report must be uploaded to this case on SAHRIS for record purposes within 3months of project completion.	1		This is the report that will be uploaded on the SAHRIS website for record purposes
<b>GENERAL CONDITIONS FROM THE HIA REPORT</b>				
1	Burial grounds and gravesites are accorded the highest social significance threshold therefore must not be tempered with or disturbed during construction.	1		No graves were tempered with during construction of the project.
2	Eskom environmental officer must closely monitor construction activities near the burial site and report any infringement of the grave yard.	1		Project is monitored closely by eskom environmental

				officer (Ndou Rosina)
3	All construction workers must be informed about the potential threats of their activities to the grave yard and must also be inducted.	1		Induction of all the construction workers were conducted at the beginning of the project construction on the 12 <sup>th</sup> February 2020. See attached register
4	Construction activities must be stopped whenever there is a burial ceremony or ritual activities at site.	1		Construction only took place during week days and there was no burial that took place prompting the project to cease for that moment.
5	Construction teams must exercise due respect when working in the vicinity of the grave yard.	1		Contractor ensured that they respect the graves during construction and all care is practiced whenever they are constructing closer to the graves. No negligence has been reported for



				the duration of the project
6	Eskom must consider appropriate mitigation measures to ensure that the affected graves are protected and custodians are duly informed before commencement of the project.	1		A meeting with Wolmaransstad ext.15 community was held on the 12 <sup>th</sup> December 2019 as a mitigation measure to this condition.
7	Eskom must ensure that necessary contingencies are put in place and due diligence exercised in accordance with recommendations in this study to prevent accidental damage to graves and resultant conflicts with the affected families	1		Eskom made sure during construction that the project does not interfere with any of the graves to avoid any damages. All the recommendations were communicated to the contractor to ensure compliance
8	The danger lies in the movement of construction vehicles during installation of poles and stringing.	1		Only existing roads were used during construction of which there are houses between the roads and the grave yard.
9	The potential damage can be minimized by digging pole foundations manually because driving	1		The digging of the holes was done

	construction vehicles near the cemetery may cause serious damage to unprotected graves.			manually however the installation and stringing was done using the trucks moving only on the existing access roads
10	The Wolmaransstad communities should be informed about the construction of a power line in the vicinity of an open cemetery and should be informed about the potential impacts of the proposed development activities.	1		A meeting with Wolmaransstad ext.15 community was held on the 12 <sup>th</sup> December 2019 before the project construction commences.
11	Construction workers must be inducted on the significance of graves and potential impacts of their activities to the affected graves as well as procedures for handling accidental damage to graves during construction.	1		Induction of all the construction workers was conducted at the beginning of the project construction on the 12 <sup>th</sup> February 2020. See attached register
12	Construction activities must be stopped should they be a burial or ritual ceremony and the grave yard, disruption of such activities will not be tolerated by local communities.	1		Construction only happens during the week however no burial or ritual ceremony took place during the construction phase of the

				project that required the construction to cease.
13	Eskom EO must induct construction workers regarding the potential risks associated with the construction of particularly the MV line and at the end to verify if any grave was affected by the project. This will minimize the chances of communities claiming undocumented damages to their family graves.	1		Induction of all the construction workers was conducted at the beginning of the project construction on the 12 <sup>th</sup> February 2020. See attached register
14	If during the construction, operations or closure phases of this project, any person employed by the developer, one of its subsidiaries, contractors and subcontractors, or service provider, finds any artefact of cultural significance, work must cease at the site of the find and this person must report this find to their immediate supervisor, and through their supervisor to the senior on-site manager.	1		No artefact of cultural significance has been found on the project during construction however should there be any found the correct reporting procedure shall be followed
15	Eskom should consider employing local people for the construction work near the cemetery to encourage cooperation and tolerance for the project.	1		Local people were employed such as CLO (community Liaison Officer) and laborers to be part of the construction team as required

				during construction.
16	The digging of any pole foundations within 20m from the burial site must be done manually to avoid excessive vibration from construction vehicles that can cause damage to graves with tombstones.	1		No poles were installed within 20m however all holes that were in the vicinity of the graves were dug manually to avoid damage on the graves
17	No stone robbing or removal of any material is allowed. Any disturbance or alteration on this grave would be illegal and punishable by law, under section 36 (3) of the National Heritage Resources Act NHRA of 1999 (Act 25 of 1999).	1		No stone robbing or removal of any was reported for the duration of the project.
18	No dumping of construction material is allowed within this buffer zone and no alteration or damage on these sites may occur.	1		All waste from the project was stored in waste bins provided at the site camp which was disposed of at a registered landfill site in Wolmaransstad when full.
19	If a human grave/burial is encountered during construction, the remains must be left as undisturbed as possible before the local police and SAHRA Burial Grounds and Graves Unit are informed. If the burial is deemed to be over 60 years old and no foul play is suspected, an emergency exhumation permit may be issued by SAHRA for an archaeologist to exhume the remains.	1		No grave/burial has been encountered/recorded during construction

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## 7. Recommendations

- The site was inspected and it was left in good condition, the contractor removed all the materials from the site
- No graves were altered or damaged during construction
- No oil spill found left onsite

## 8. Conclusion

Overall the contractor is complying with the provided EMPr and SAHRA permit conditions.

Number of conditions	28
Number of compliances	27
Number of non-compliances	0
Number of N/A conditions	1
Results	100%

Compliance for the month of May is rated as well compliant.

## 9. Photo plate



3.1 constructed electrification line



3.2 The electrified houses near the graveyard



3.3 Houses that are between the constructed line and the graveyard





1.4 site camp after the contractor left the site

# 10. Induction register

	<b>General Attendance Register</b>	<b>Template Identifier</b> 240-54043932	<b>Rev</b> 5
		<b>Effective Date</b> 01 October 2016	
		<b>Next Review Date</b> October 2019	


<b>Name of Meeting/Workshop:</b> Environmental Induction Camp and SAHRA permit : Case 13395
<b>Actual Date:</b> 12 February 2019
<b>Venue:</b> Wolmaranstad ext 15 Site Camp.

## 1. APOLOGIES

Name	Business Unit/Area	Name	Business Unit/Area

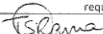




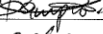
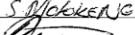
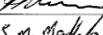
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		<b>Next Review Date</b> October 2019	


*\*Note: The cell phone number is preferred to be captured as contact number for use during an emergency evacuation as the attendance register will be used to track attendees.*

## 2. IN ATTENDANCE

Name	Surname	Business Unit/Area	Contact Number (preferable cell phone number)*	Signature/Video conference/WebEx <small>(If person is attending meeting via VC or WebEX the secretary must just indicate on the attendance register - no signature is required)</small>
1. SIMON	RAMANTSIWANA	WOLMARANSTAD	0766716001	
2. OPALENG	MOKOANE	WOLMARANSTAD	076 0975 355	
3. Phelepele	kepele	WOLMARANSTAD	0712055165	
4. Simon	LUBAKA	Wolmaranstad	0730203928	
5. MOTHEI	← ISHEPO	WOLMARANSTAD	0761380056	
6. Fenei	Kempion	Wolmaranstad	0716421199	
7. SECHABA	Motokeng	//	<del>0833</del> 083 524068	
8. Peter	Nkoana	WOLMARANSTAD	0820522067	
9. SIKHUBA	Madala	Wolmaranstad		S. M. Madala

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		<b>Effective Date</b> 01 October 2016	
		<b>Next Review Date</b> October 2019	

10. Piet	Khuledi	WOLMARANSTAD	065 519 2020	<i>[Signature]</i>
11. is.ets.	ishetha	wolmaransstad	073 369 7048	<i>[Signature]</i>
12. GASTOOR	TSEWA	WOLMARANSTAD	0735212753	<i>[Signature]</i>
13. PHILIP	NEZOS	WOLMARANSTAD	0750729956	<i>[Signature]</i>
14. SeboPelo	Tshile	wolmaransstad	0763257431	<i>[Signature]</i>
15. Dewet	Tskanto	Wolmaransstad	074352471	<i>[Signature]</i>
16. THANDUOLO	DUBE	wolmaransstad	0791641342	<i>[Signature]</i>
17. SIMON	CHOZA	wolmaransstad	0787082925	<i>[Signature]</i>
18. .Shapo	CHINA	wolmaransstad	0782705962	<i>[Signature]</i>
19. Jabuani	Kubeka	wolmaransstad	0730856421	<i>[Signature]</i>
20. JACO	mokete	WOLMARANSTAD	0790464091	<i>[Signature]</i>
21. Letile	Batsikang	Wolmaransstad	0732251766	<i>[Signature]</i>
22. Lebogang	Rathebe	wolmaransstad	0782925986	<i>[Signature]</i>
23. VETLIE	MAPHABA	wolmaransstad	065 507 5508	<i>[Signature]</i>
24.				

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