

**REPORT Number: 11 for September 19<sup>th</sup> 2023**DEA REFERENCE NO. 14/12/16/3/3/1/2114/AM2



Prepared for: Eskom Holdings SOC Limited

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Submitted by:



#### I. DETAILS OF THE ENVIRONMENTAL AUDIT REPORT AUTHOR

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### II. DETAILS OF THE ENVIRONMENTAL AUDIT REPORT REVIEWER

SENKOSI ENVIRONMENTAL CONSULTANTS										
NAME OF AUTHOR	Mr. Sipho Zulu									
DESIGNATION	Environmental Compliance Officer (ECO)									
QUALIFICATIONS	BSc Enviro. Man (UWC); Proj. Man Diploma (UP); Environmental Law (UNW); Business Comms (UNISA)									
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#### III. DECLARATION OF THE AUTHOR

I Mandisa Mtshali, on behalf of Senkosi Environmental, as the appointed independent environmental practitioner ("EAP") hereby declare that I:

- act/ed as the independent EAP in this application;
- regard the information contained in this report to be true and correct, and
- do not have and will not have any financial interest in the undertaking of the activity, other than remuneration for work performed in terms of the NEMA, the Environmental Impact Assessment Regulations, 2014 and any specific environmental management Act;
- have and will not have no vested interest in the proposed activity proceeding;

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have disclosed, to the applicant and competent authority, any material information that have or may have

the potential to influence the decision of the competent authority or the objectivity of any report, plan or

document required in terms of the NEMA, the Environmental Impact Assessment Regulations, 2010 and

any specific environmental management Act;

am fully aware of and meet the responsibilities in terms of NEMA, the Environmental Impact Assessment

Regulations, 2014 and any specific environmental management Act, and that failure to comply with these

requirements may constitute and result in disqualification;

have ensured that information containing all relevant facts in respect of the application was distributed or

made available to interested and affected parties and the public and that participation by interested and

affected parties was facilitated in such a manner that all interested and affected parties were provided

with a reasonable opportunity to participate and to provide comments;

have ensured that the comments of all interested and affected parties were considered, recorded and

submitted to the competent authority in respect of the application;

have kept a register of all interested and affected parties that participated in the public participation

process;

have provided the competent authority with access to all information at my disposal regarding the

application, whether such information is favourable to the applicant or not; and

I am aware that a false declaration is an offence in terms of the EIA regulations.

Signature of the Environmental Assessment Practitioner:

Name of company: Senkosi Environmental

Date: 19/09/2023

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#### 1. INTRODUCTION

Senkosi Environmental Consulting is the appointed independent Environmental Control Officer (ECO) for the proposed Eskom Holdings (Soc) Limited Battery Energy Storage System (Bess) Elandskop Substation. The project is located within Msunduzi and Mpendle Local Municipalities, KwaZulu-Natal province. The 11<sup>th</sup> audit was undertaken on the 19<sup>th</sup> of September 2023. This environmental audit report is prepared in compliance with Section 34 of the EIA regulations 2014 (as amended), promulgated under the National Environmental Management Act, 1998 (Act 107 of 1998). This audit report presents the findings of the 11<sup>th</sup> audit which was undertaken against the Environmental Authorization (EA) issued by the Department of Forestry, Fisheries and Environment (DFFE) as well as the approved Environmental Management Programme (EMPr).

Section 34(2) of the 2014 EIA Regulations (as amended) [L01] requires an environmental audit report, "compiled by an independent person ... to provide verifiable findings, in a structured and systematic manner, on

- a) the level of performance against and compliance of an organisation or project with the provisions of the requisite environmental authorization (EA) and Environmental Management Programme (EMPr) and, where applicable, the closure plan; and
- b) the ability of the measures contained in the EMPr, and where applicable the closure plan, to sufficiently provide for the avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity."

### 1.1 Objective and Scope of this Environmental Audit

The EMPr for the facility was revised in April 2019 to comply with condition 23 of **DEA Ref**: **14/12/16/3/3/1/2114/AM2** which requires an Environmental Management Plan (EMP) to be compiled, or an existing operational environmental management system to be amended to include the operations of the authorised activity. In accordance with Appendix 7 of 2014 EIA Regulations (as amended) [L01] the purpose of conducting an EMPr audit is to:

- (a) report on-
  - (i) the level of compliance with the conditions of the environmental authorization and the EMPr; and
  - (ii) the extent to which the avoidance, management and mitigation measures provided for in the EMPr achieve the objectives and outcomes of the EMPr;
- (b) identify and assess any new impacts and risks as a result of undertaking the activity;
- (c) evaluate the effectiveness of the EMPr;
- (d) identify shortcomings in the EMPr; and
- (e) identify the need for any changes to the avoidance, management and mitigation measures provided for in the EMPr.

### 1.2 Credentials of the Independent Environmental Auditors

Senkosi Environmental is a Level 1 B-BBEE, South African environmental consulting company that has been in existence for 16 years. We pride ourselves in professional advisory services and product delivery to our clients. The service lines offered by Senkosi Environmental include:

- Environmental Screening Assessments.
- Environmental and Social Impact Authorizations.
- Environmental Auditing and Compliance.
- Monitoring of Air, Water, Waste, Soil and Sediment.
- Sustainability management and reporting.

- Advisory Services.
- Climate Change and Air Quality
- Due Diligence Investigations.
- Products and supplies; and
- Safety Equipment.

## 1.3 Requirements for Environmental Auditors

The National Environmental Management Act (NEMA) and the 2014 EIA Regulations (as amended) [L01] requires an independent person with the relevant environmental auditing expertise to conduct the assessment and prepare the environmental report. The environmental auditor is required to have the following skills, attributes, and abilities:

#### Independent and Objective

The environmental auditor should have the ability to unravel the real concerns behind stated issues, have the ability to separate issues from personalities, cultural perspectives and emotions, have empathy towards all viewpoints and prevent vociferous viewpoints from being the only ones that are heard. The environmental auditor is to remain independent and perform work in an objective manner, even if this results in views and findings that are not favourable to the holder of the authorization.

### Expertise in conducting environmental impact assessments

The environmental auditor should be knowledgeable of and be able to conduct investigations of the environment likely to be significantly affected by the authorized activity, investigate potential impact consequences for or impacts on the environment and evaluate potential alternatives.

#### Comply with the Act, the Regulations and other applicable legislation

The environmental auditor should have knowledge of the environmental legislation (Acts, Regulations and guidelines) that have relevance to the authorized activity. All relevant matters to be taken into consideration when preparing the environmental audit report.

#### **Communicate and Disclose Information**

The environmental auditor is required to disclose to the holder of the authorization and the competent authority all material information in their possession that reasonably has or may have the potential of influencing any decision to be taken in respect to the authorized activity; or that may influence the objectivity of the environmental audit report. The environmental audit report must provide verifiable findings, in a structured and systematic manner and

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be made available to interested and affected parties (including organs of state in all spheres of government that may have jurisdiction over any aspect of the activity) as required by the competent authority.

### 1.4 Environmental Audit Team

The environmental audit team who conducted the assessment and who prepared the audit report are:

Ms Mandisa Mtshali was the lead auditor during audit 11. She is an Environmentalist in her own right and has conducted and authored several audit reports in the past 3 years. She also has substantial experience in undertaking Environmental Impact Assessments, Basic Assessments, Environmental Authorization applications, Water Use License Applications, Waste Management License applications, compilation of Environmental Management Plans, Closure and Rehabilitation Plans, Environmental Compliance Auditing, GIS mapping, stakeholder engagement, data analysis, report writing, and legislation review among many other things.

Mr Siphosenkosi Zulu reviewed and audit report to support the team from out of the site. Siphosenkosi is a Registered Environmental Assessment Practitioner (EAPASA), environmental compliance and sustainability practitioner with 20 years of experience. Siphosenkosi specialises in Strategic Environmental, Social, Economic and Sustainable Development projects. Audits conducted in the past include the Water license audit at Kusile Power station, the Construction of a 114km line in Free State, Virginia and the PDP construction in Northern Cape, Limpopo, KZN and Mpumalanga province. Siphosenkosi has obtained numerous Environmental Authoritarians and Water use licenses in his career. For more information, a CV is attached with more details of his capabilities and expertise.

#### 1.4.1 CVs and Declarations of Independence

Comprehensive CV for the environmental auditors is attached in **Annex B**.

### 1.5 Environmental Audit Methodology

Senkosi Environmental performed an independent assessment of the Elandskop BESS compliance against the EA and the 2020 EMPr conditions. Preparations of the audit were initiated by communicating with the EO on site. Proposed tentative dates of schedule were adopted to be used as a guide to audit dates throughout the construction phase of the project.

The team was on site and commenced the meeting at 10:35 regarding the approach of the audit for the day.

The key delivery milestones for the Environmental Audit are presented below:

Table 1: Schedule and action dates

Engagement Milestones	Delivery Date
Initiation of Communication for Audit Plan	13 September 2023
Site visit and initial list of audit findings	19 September 2023
Draft Audit Report submitted to client	21 September 2023
Receipt of comments & review of draft report from Client	26 September 2023
Final Audit Report	27 September 2023
Report Close out	27 September 2023

#### 2. SITE CONSTRUCTION ACTIVITIES ON AUDIT WEEK

On the day of the audit, the following activities were taking place on site;

- Trench backfilling
- Brick layering around the ring main units (RMU)
- Removal of construction rubble (bricks).
- Servicing of the ablution facilities

#### 3. SUMMARY OF MAIN FINDINGS

The environmental audit for the month of September was conducted on the 19<sup>th</sup> of September 2023. On the day of the audit, only one recurring non-compliance was noted on site i.e., the mixture or waste (plastic, steel scrap, fence wire, etc.) at the back the site offices had still not been removed. The contractor, Tractionel, advised that it is the responsibility of the client (Eskom) to dispose the waste at a suitable landfill site. The contractor further advised that Eskom has made arrangements to dispose of the waste at a suitable landfill site, however, there has been delays.

The hazardous waste that was previously stored on site has been safely disposed of at the Shongweni landfill site and proof of disposal was provided. The ablution facilities are being serviced on a weekly basis and proof was provided.

There was more compliance recorded than non-compliances. The compliance included a well-maintained landscape, well cut grass, proper demarcation of 'No Go' areas; maintenance of good access control at the gate; "No Fire" area signage; demarcated smoking area zones clearly marked. More compliance points are discussed in the table below.

#### 3.1. Non-Compliances

The recorded non-compliances were as follows:

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✓ Inappropriate waste management was identified on site (the steel, old fence wire, and plastic at the back of the site was still not disposed of), it is the responsibility of Eskom to ensure that the waste is safely disposed of at an appropriate landfill site.

### 3.2. COMPLIANCES

The compliance included inter alia;

- ✓ Construction rubble was separated from the general waste and stored in a demarcated area
- ✓ Weekly induction training is carried out on a weekly basis
- ✓ Good landscape and garden maintenance was well managed;
- ✓ Topsoil was properly covered;
- ✓ All workers were wearing appropriate PPE;
- ✓ The access control to the tools and equipment was well maintained and locked with key at the supervisor's disposal;
- ✓ The "No go" areas were clearly marked including smoking area well demarcated.
- ✓ The chemical toilets are being serviced on a weekly basis and proof was provided.
- ✓ The first aid kit was available on site
- ✓ The environmental file was available on site, and it contained all the respective documentation
- ✓ The waste bins were covered and contained the dedicated waste

#### 4. COMPLIANCE MONITORING

The compliance monitoring was done in line with the approved EMPr and EA. A summary of percentages is given at the end of the report showing compliance.

Table 2: Compliance Rating

Rating	Description	Abbreviation	Colour Code
Compliance	Fully Complying	С	
Opportunity for Improvement (to comply)	Complying with fraction of the conditions	OFI	
Non-Compliance	Not Complying to any of the conditions	NC	
Not Applicable	Conditions that are not applicable at the time of inspection	N/A	

Table 3: Compliance to the EA Conditions

COMPLIANCE TO EA CONDITIONS											
EA Condition		Compliance				Recommendation/ Comments	Responsible	Action Date			
		С	OFI	NC	N/A		Person				
Scope of Authorization											
The holder of the authorization is responsible for compliance with the conditions contained in the Env Authorization. Including any person acting on the holder including but not limited to, an agent, servant, contractor, employee, consultant, or person rendering to the holder of the authorization.	ronmental r's behalf, actor, sub-					An environmental officer has been appointed to monitor and enforce compliance on site on a day-to-day basis	Applicant	19 September 2023			
The activities authorized may only be carried out at the as described on page 4 of the EA	e property					All construction activities were kept within the site boundary.	Applicant	19 September 2023			
3. Any changes to, or deviations from, the project desc	ription set					There is no deviation from the project description.	Applicant	19 September			

	EA Condition	Col	C OFI NC N/A		N/A	Recommendation/ Comments	Responsible Person	Action Date
	out in this authorization must be approved, in writing, by the Department before such changes or deviations may be affected.							2023
4.	The holder of an EA must apply for an amendment of the EA with the Competent Authority (CA) of any alienation, transfer and change of ownership rights in the property on which the activity is to take place.					A letter from DFFE approving the change of name of property ownership for the application was presented. Ms. Tshililo Nekhalale has been appointed the new property representative.	Applicant	22 Nov 2022
5.	This activity must commence within a period of five (5) years from the date of issue of this environmental authorization. If commencement of the activity does not occur within that period, the authorization lapses and a new application for environmental authorization must be made for the activity to be undertaken.					The activity commenced on 4 November 2022 and the EA was issued on 19 June 2020. Therefore, the activity commenced within a period of five (5) years from the date of issue of this environmental authorization.	Applicant	4 Nov 2022

EA Condition	Con			N/A	Recommendation/ Comments	Responsible Person	Action Date
Commencement with one activity listed in terms of this environmental authorisation constitutes commencement of all authorised activities.					The commencement of the activity was on the 4th of November 2022. A letter was sent to the DFFE.	Applicant	4 November 2023
7. The holder of the EA must notify interested and affected party (I&AP), in writing and within twelve (14) calendar days of the date of the EA of the decision to authorize the activity. The notification must comply with the said conditions.					The I&APs were notified about the decision to authorize the activity within 14 days of the issue of the EA. The EA was issued on the 19 <sup>th</sup> of June 2020 and the I&APs were notified on 24 June 2020.	Applicant	24 June 2020
8. The notification referred to must- 8.1 Specify the date on which the authorisation was issued; 8.2 Inform the interested and affected party of the appeal					The letter did not inform the I&AP about the reasons of the decision as stipulated in the National Appeal Regulations 2014	Applicant	19 September 2023

COMPLIANCE TO EA CONDITIONS											
EA Condition	Compliance				Recommendation/ Comments	Responsible	Action Date				
	С	OFI	NC	N/A		Person					
procedure provided for in the National Appeal Regulations, 2014;											
8.3 Advise the interested and affected party that a copy of the											
authorisation will be furnished on request and											
8.4 Give the reasons of the competent authority for the decision.											
Commencement of the Activity		1									
9. The authorised activity must not commence until the period of the											
submission of appeals has lapsed as per the National Appeal											
Regulations, 2014. In terms of section 43(7), an appeal under							19 September				
section 43 of the National Environmental Management Act, 1998					No appeal has been lodged.	Applicant	2023				
will suspend the environmental authorisation or any provision or							2023				
condition attached thereto. In the instance where an appeal is											
lodged you may not commence with the activity until such time											

COMPLIANCE TO EA CONDITIONS											
EA Condition	Compliance				Recommendation/ Comments	Responsible	Action Date				
	С	OFI	NC	N/A		Person					
that the appeal has been finalised.											
The Environmental Management Programme (EMPr) submitted as part of the Application for EA is hereby approved. This EMPr must be implemented and strictly adhered to.					The Applicant has failed to clean the mixture of waste situated behind the site. The contractor advised that the applicant is making arrangements for safe disposal of that waste.	Applicant	19 September 2023				
Frequency and process of updating the EMPr											
11. The EMPr must be updated where the findings of the environmental audit reports, contemplated in conditions 23 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation of					There is no plan to amend the EMPr.	ECO	19 Septemmber 2023				

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## **COMPLIANCE TO EA CONDITIONS** Compliance Responsible **EA Condition Recommendation/ Comments Action Date** Person N/A OFI NC EMPr. 12. The updated EMPr must contain recommendations to rectify the September The EMPr has not been updated. **ECO** shortcomings identified in the environmental audit report. 2023 13. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulations 34 of GNR 982, The updated EMPr must have been September The EMPr has not been updated. **ECO** subjected to a public participation process, which process has 2023 been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval. Monitoring

EA Condition		npliand	e		Recommendation/ Comments	Responsible	Action Date
	С	OFI	NC	N/A		Person	
14. The applicant must appoint an independent Environmental					An ECO was appointed, and the appointment		
Control Officer (ECO) for the construction phase of the					letter was sent to DFFE.		
development that will have the responsibility to ensure that the							
mitigation/rehabilitation measures and recommendations referred							
to in this environmental authorisation are implemented and to							03 August 2022
ensure compliance with the provisions of the approved EMPr.						Applicant	
14.1 The ECO must be appointed before commencement for any						, ipplicant	19 September
authorised activities.							2023
14.2 Once appointment, the name and contact details of the ECO							
must be submitted to the Director: Compliance monitoring of the							
Department at Directorcompliance@environment.gov.za							
14.3 The ECO must keep record of all activities on site, problems							

COMPLIANCE TO EA CONDITIONS												
EA Condition		Compliance			Recommendation/ Comments	Responsible	Action Date					
	С	OFI	NC	N/A		Person						
identified, transgressions noted and a task scheduled of tasks					The weekly reports are viewed by ECO from the							
undertaken by the ECO.					EO for incidents and transgressions.							
14.4 The ECO must remain employed until all rehabilitation, as					ECO is appointed until Rehabilitation is							
required for implementation due to construction damage, are					completed.							
completed and the site ready for operation.					osinpistos.							
Recording and Reporting to the Department			•									
15. All documentation e.g., audit/monitoring/compliance reports and												
notifications, required to be submitted to the Department in terms												
of this environmental authorisation, must be submitted to the					The ECO submits the reports on monthly basis.	ECO	19 September					
Director Monitoring of the Department at							2023					
Directorcompliance@environment.gov.za.												

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### **COMPLIANCE TO EA CONDITIONS** Compliance Responsible **EA Condition Recommendation/ Comments Action Date** Person N/A OFI NC 16. The holder of the environmental authorisation must for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the Audit reports are done and submitted to the September environmental authorisation and the EMPr are audited, and that **Applicant** Authority on monthly basis. 2023 the audit reports are submitted to the Director: Compliance Monitoring the Department at Directocompliance@environment.gov.za 17. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, Monthly reports are submitted to the relevant unit September ECO taking into account the processes for such auditing as prescribed at DFFE. 2023 in Regulation 34 of GNR 982.

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EA Condition	Coı	npliano	e		Recommendation/ Comments	Responsible	Action Date
	С	OFI	NC	N/A		Person	
18. The holder of the EA must, in addition, submit an Environmental							
Audit Report to the Department within 30 days of completion of							19 September
the construction phase (i.e., within 30 days of site handover) and					The construction activities are still underway.	ECO	2023
a final environmental audit report within 30 days of completion of							2023
rehabilitation activities.							
19. The environmental audit reports must be compiled in accordance							
with Appendix 7 of the 2014 EIA Regulations, as amended and							
must indicate the date of the audit, the name of the auditor and					The audit reports are compiled as per Appendix 7		19 September
the outcome of the audit in terms of compliance with the					of the EIA regulations, 2014 (as amended)		2023
environmental authorisation conditions as well as requirements of							
the approved EMPr.							

COMPLIANCE TO EA CONDITIONS							
EA Condition	Coi	mplian	се		Recommendation/ Comments	Responsible	Action Date
	С	OFI	NC	N/A		Person	
20. Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.					<ul> <li>The reports are kept on site:</li> <li>The weekly inspection</li> <li>Environmental legal audit Monthly</li> <li>These are conducted by Tractionel and audited by</li> <li>Eskom EO. Audit reports by the ECO audit are placed on site to be accessed by anyone.</li> </ul>	Tractionel EO Eskom EO	19 September 2023
Operation of the Activity							
Site Closure and Decommissioning							

COMPLIANCE TO EA CONDITIONS							
EA Condition	Cor	npliand	ce		Recommendation/ Comments	Responsible	Action Date
	С	OFI	NC	N/A		Person	
21. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and competent authority at that time.					Not applicable, activity is on course.	Applicant	19 September 2023
Specific EA Conditions							
22. The holder of the EA must, prior to commencement of construction, inform this Department on the preferred technology or technology mixture of the BESS.					The department was informed as required.	Applicant	19 September 2023

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EA Condition	Cor	mpliand	ce		Recommendation/ Comments	Responsible	Action Date
	С	OFI	NC	N/A		Person	
23. The holder of the EA must ensure that the volume of dangerous goods on site does not exceed 500m <sup>3</sup>					The diesel bowser storing dangerous fuel is not in use anymore since the yellow plant has left the site.	Applicant	19 September 2023
24. Vegetation clearing must be limited to the required footprint for actual construction works and operational activities. Mitigation measures must be implemented to reduce the risk of erosion and the invasion of alien species.					Vegetation clearing was adhered to as required.	Applicant	19 September 2023
25. No exotic plants must be used for rehabilitation purposes. Only indigenous plants occurring within a ten (10) kilometer radius of the development site must be utilized.					Not applicable. The rehabilitation process has not yet been undertaken.	Contractor	19 September 2023

EA Condition	Cor	npliand	e		Recommendation/ Comments	Responsible	Action Date
	С	OFI	NC	N/A		Person	
26. Should any potential human remains be encountered during construction, work in the immediate vicinity of the find must be stopped and the KwaZulu-Natal AMAFA and Research Institute and SAPS must be notified.					No human remains have been identified.	Applicant/ Contractor	19 September 2023
27. No heritage material will be removed or relocated without confirmation from KwaZulu-Natal AMAFA and Research Institute as well as an accredited heritage professional specialist.					No human remains have been identified.	Applicant/ Contractor	19 September 2023
28. A horticultural specialist must be appointed to identify and relocate sensitive plant species prior to any site works.					A botanist was appointed; however, the site does not constitute any sensitive plant species and no relocation was undertaken.	Applicant	19 September 2023

EA Condition		npliand	e		Recommendation/ Comments	Responsible	Action Date
	С	OFI	NC	N/A		Person	
29. An ongoing Alien invasive Management Plan must be compiled and implemented prior to construction activities.					Complied with prior the construction phase.	Applicant	19 September 2023
30. A Landscape Plan must be submitted to the Msunduzi Municipality: Environmental Management Unit for comment and approval prior to site works commencing.					Landscape plan was submitted.	Applicant	19 September 2023
31. A species relocation plan must be compiled and submitted to the Msunduzi Municipality: Environmental Management Unit for comment and approval prior to site works commencing.					The species relocation plan was compiled and submitted.	Applicant	19 September 2023
32. A storm water management plan must be submitted to Msunduzi  Municipality: Environmental Management Unit as well as the  Msunduzi Roads and Drainage Management Unit for comment					A storm water management plan was submitted as required.	Applicant	19 September 2023

	EA Condition	Coi	mpliand	e		Recommendation/ Comments	Responsible	Action Date
		С	OFI	NC	N/A		Person	
	and approval prior to any site works commencing. The Storm							
	Water Management Plan must address the impacts associated							
	with the increase in hardened surface area and must address							
	quantity and quality of the storm water discharged from the site							
	and incorporate on-site storm water attenuation measures to							
	ensure the proposed development is flood neutral. Post							
	development storm water discharge volumes must not exceed							
	pre-development volumes.							
33.	Once the final technology alternative is selected, a detailed fire							
	management and protection plan must be compiled and					The decided technology was communicated to the	Amaliaant	19 September
	submitted to the relevant Municipality for consideration prior to					Authority.	Applicant	2023
	undertaking any construction activities.							

COMPLIANCE TO EA CONDITIONS							
EA Condition	Com	npliand	се		Recommendation/ Comments	Responsible	Action Date
	С	OFI	NC	N/A		Person	
GENERAL CONDITIONS							
34. A copy of this Environmental Authorisation, the audit and							
compliance monitoring reports, and the approved EMPr, must be							
made available for inspection and copying:					All the comics ware in the any incomposate file and		10 Contomb
34.1 At the site of the authorised activity.					All the copies were in the environmental file and	Applicant	19 September 2023
34.2 To anyone on request; and				were made available during the audit.		2023	
34.3 Where the holder of the environmental authorisation has a							
website, on such publicly accessible website.							

Table 4: Compliance to the EMPr

EMPr Condition	Pr Condition Compliance			Recommendation/Comments	Responsible Person	Action Date	
	С	OFI	NC	NA			
General Construction Activities							
Environmental signage must be displayed on site including "no smoking," "fire hazards," etc.					Proper signage was available and properly displayed on site.	ECO	19 Septembe 2023
2. Emergency numbers must be clearly displayed					Emergency numbers are clearly displayed but advise was made for a bigger font and paper to be used.	ECO	19 Septembe 2023
Access fuel and other equipment stores must be strictly controlled					Access fuel and other equipment stores are strictly controlled. Example the stores' access always locked and the bowser is always kept empty on site. It is used to bring fuel for the machinery and after filling them, it is kept empty.	ECO	19 Septembe 2023

СО	MPLIANCE TO THE EMPR CONDITIONS						
EM	Pr Condition	Con	npliance	Recommendation/Comments	Responsible Person	Actio	n Date
4.	The contractor must ensure that all employees, including sub-contractors and their employees, attend on-site Environmental Awareness Training prior to commencing work on site.			Training attendance was made available during the audit.	Contractor	19 2023	September
5.	Follow-up Environmental Awareness Training must be conducted for new subcontractors or crews prior to commencing work or for specific activities that may potentially impact the environment, or if work is being undertaken in sensitive environments.			Not applicable, no work had a potential impact on environment conducted and there is no sensitive environmental area.	Contractor/ ECO	19 2023	September
6.	The contractor must maintain accurate records of any training undertaken.			Training Awareness records are kept and monitored on site.	Contractor	19 2023	September
7.	The appointed Contractor must do an initial alien plant clearance and three follow up clearances.			The condition was complied with.	Contractor/ECO	19 2023	September
8.	Site clearing must be limited to only the area designated for the specified works.			Site clearance was only undertaken within the designated site area.	Contractor/ECO	19 2023	September

COMPLIANCE TO THE EMPR CONDITIONS				
EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date
9. Training must cover all areas of EMPr and procedures to be followed, the sensitivity of the site and importance of adhering to "no go areas"		Training is done on a weekly basis. Attendance register was provided.	ECO	19 September 2023
The ECO must monitor the contractor's compliance with the requirement to provide sufficient environmental awareness training to all site staff.		The attendance register of the latest training was evident.	ECO	19 September 2023
"No-go" areas prior to earthworks commencing must be demarcated with danger tapes of protection for the duration of the construction phase.		The 'no-go' areas are clearly barricaded.	Contractor/ECO	19 September 2023
12. No unauthorized entry, stockpiling, dumping or storage of equipment in "no-go" areas, or outside the site boundary is permitted.		Access to the site is controlled by a security guard at the gate. All activities are kept within the site boundary.	Contractor/ ECO	19 September 2023
Earthworks				
All construction activities, plant, labour, and materials must be restricted within the site boundary.		All construction activities and materials were kept within the site boundary.	Contractor/ECO	19 September 2023
14. Demarcation must remain in place for the duration of		All areas that require demarcation were demarcated as	Contractor/ECO	19 September

EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date
the work on site		required.		2023
<ol> <li>Rehabilitation of disturbed areas must be undertaken within a month after construction activities have concluded.</li> </ol>		Not yet applicable, rehabilitation phase not yet commenced.	Contractor/ECO	19 Septembe 2023
16. The earthworks operation must be carried out by a suitably qualified contractor.		The qualifications of the Contractor were made available and submitted to the ECO earlier.	Contractor/ ECO	19 Septembe 2023
Storage, mixing, and disposal of cement and concrete				
17. No mixing of concrete or cement directly on the ground is permitted. The mixing of concrete must only be done on a mixing tray or on impermeable sheeting.		Concrete is mixed on an impermeable sheet separating cement from direct contact with the ground.	Contractor/ ECO	19 Septembe 2023
18. Both used and unused cement bags must be stored in weatherproof containers so as not to be affected by rain or runoff.		The cement bags were stored in a weatherproof container.	Contractor/ ECO	19 Septembe 2023

COMPLIANCE TO THE EMPR CONDITIONS				
EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date
19. Contaminated soil resulting from concrete or cement spills must be removed immediately after the spillage has occurred and placed on the appropriate rubble stockpile.		No spills were recorded on the day of the audit.	Contractor/ ECO	19 September 2023
20. Clean stormwater must be kept away from areas where it could be contaminated and must be directed to the stormwater drainage system		Clean stormwater is kept away from areas where it could be contaminated and must be directed to the stormwater drainage system	Contractor	19 September 2023
Soil Erosion				
21. Vegetation must not be removed unnecessarily		No vegetation was removed unnecessarily.	Contractor /ECO	19 September 2023
22. Soil erosion measures must be placed on sensitive areas like banks, slopes and towards the site boundary.		There is no need to put sandbags because the platform is now elevated and there is no slope anymore.	Contractor/ECO	19 September 2023
23. All stockpiles must be covered with suitable material to prevent loss of sediment via wind/ water.		The topsoil was covered and complied with the condition.	Contractor/ECO	19 September 2023
24. Topsoil (top 300mm layer minimum) must be removed prior to the construction by earthmoving equipment.		The topsoil heap was kept to required height of 2m and less.	Contractor /ECO	19 September 2023

COMPLIANCE TO THE EMPR CONDITIONS				
EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date
Topsoil must be stored in heaps of not higher than 2m in a way that prevents damming. Stored topsoil must not be compacted.				
25. Topsoil must not be used as fill material for backfilling of excavations on site.		Topsoil was not used as fill material for backfilling of excavations on site.	Contractor/ECO	19 September 2023
26. Disturbed sites must be rehabilitated as soon as construction is complete and not left until the end of the project to be rehabilitated.		Not applicable as the rehabilitation process has not commenced.	Contractor /ECO	19 September 2023
Ground water and Surface water pollution				
27. An adequate number of chemical toilets for the staff must be provided and serviced regularly. The positioning of the toilets must be authorized by the ECO.		Sufficient toilets were provided, and proof of service was provided. The contractor was advised to make comments on the receipts, and it was complied with.	Contractor	19 September 2023
28. Spills that result in the contamination of ground and/or surface water must be reported immediately to the ECO.		There was no witnessed incidence during September audit.	Contractor	19 September 2023
<ul> <li>Spills must be managed in the following manner:</li> <li>Stop the spill</li> <li>Contain the spill</li> </ul>		No spill was observed or recorded for the September audit.	Contractor	19 Septembe 2023

EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date
<ul> <li>Report significant spills to DWS and the Local Municipality Water and Sanitation Department.</li> <li>Remove spilled material for treatment/disposal.</li> <li>Determine any possible impact to soils, groundwater, storm water, etc.</li> <li>Undertake any necessary remedial actions</li> <li>Document the spill</li> <li>Employees involved in spill control must be using PPE</li> </ul>				
Cleaning on-site				
30. A chemical spill kit must be always present onsite and once used it must be disposed of at a registered hazardous landfill site.		A chemical spill kit was present on site.	Contractor	19 September 2023
Generation of general and domestic waste				
31. Refuse bins must be provided for domestic waste (lunch litter) and placed in designated eating areas and any other areas were deemed necessary to control littering.		Sufficient waste bins were provided.	Contractor	19 Septembe 2023
32. Refuse bins must not overflow and must be emptied		Refuse bins were well managed and emptied on	Contractor	19 September 2023

EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date
regularly. No littering is permitted on site.		frequently.		
33. Building rubble must be kept separate from other construction waste.		Construction rubble was kept in a demarcated area away from the general waste.	Contractor	19 Septembe 2023
34. All waste must be disposed of at approved landfill sites, no burning or burying is permitted.		Waste is being disposed of at the New England landfill site.	Contractor	19 Septembe 2023
Visual Quality				
35. The site must be well maintained and neat.		The site is well maintained except for the mixture of waste at the back of the office.	Contractor	19 Septembe 2023
Public safety and health				
36. First aid kits must be available on site as well as an incident records file		The first aid kit was available on site during the audit session. No incident records were available on the day of the audit.	Contractor	19 September 2023
37. Interaction with objecting parties at the site must be well documented. A complaints register must be		No interaction with the objecting parties took place after	Contractor	19 September 2023

COMPLIANCE TO THE EMPR CONDITIONS				
EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date
readily available on site. Interaction with external parties must be courteous.		the last audit.		

## 5. PHOTOGRAPHIC EVIDENCE OF THE FINDINGS



Figure 1: Proper signage being well implemented on site



Figure 2: The site is kept neat and well maintained.



Figure 3: Waste has not been removed from site.



Figure 4: Proper signage is being well implemented.



Figure 5: The ring main units are well demarcated.



Figure 6: Evidence of brick laying at the ring main units



Figure 7: The construction rubble (bricks) are being collected and will be donated to the community for reuse



Figure 8: Sufficient waste bins were provided, labeled properly and contained the designated waste.



Figure 9: Construction rubble is kept in a demarcated area and separated from the general waste.

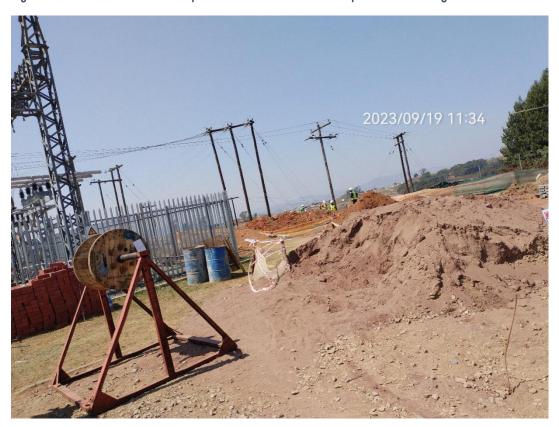


Figure 10: The stockpiles are kept less than 2m in height

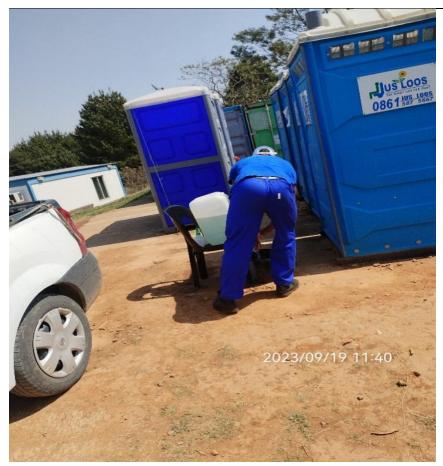


Figure 11: Ablution facilities are being serviced.



Figure 12: A first aid kit was available on site.

#### 6. RECOMMENDATIONS

 The mixture of waste situated at the back of the site camp must be removed and disposed of accordingly.

### 7. PERCENTAGE COMPLIANCE STATUS

Percentage compliance status indicates that **compliance** is **70.8** % while **non-compliance** is **2.77** % **not applicable** is **23.6** % and **opportunity for improvement** is **2.77**% for the month of September 2023.

Table 5: Rating compliance in percentages.

Rating	Description	Abbreviation	Number	%
Compliance	Fully Complying	С	51	70.8%
Opportunity for Improvement (to comply)	Complying with fraction of the conditions	OFI	2	2.77%
Non-Compliance	Not Complying to any of the conditions	NC	2	2.77%
Not Applicable	Conditions that are not applicable at the time of inspection	N/A	17	23.6%
Total aspects EMPr and EIA conditions				100%

#### 8. CONCLUSION

The site was found to be in a satisfactory condition on the day of the audit, 19 September 2023. Both the contractor and the applicant have the responsibility to ensure that the identified non-compliances are rectified before the next audit which is set to take place on the 16<sup>th</sup> of October 2023.

### 9. APPENDICES

- 9 A Appendix A: Attendance register for the audit team 19 September 2023.
- 9 B
   9 B
   Appendix C: Curriculum Vitae