

**REPORT Number: 12 for October 25<sup>th</sup> 2023**DEA REFERENCE NO. 14/12/16/3/3/1/2114/AM2



Prepared for: Eskom Holdings SOC Limited

Contact: Tshililo Nekhalale

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Submitted by:

#### I. DETAILS OF THE ENVIRONMENTAL COMPLIANCE OFFICER

SENKOSI ENVIRONMEN	TAL 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)
AFFILIATIONS	EAPASA (2019/1137); ELA (2022/521/GP); (IAIASA- 7032); (PMSA-17383381)
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#### II. DECLARATION OF THE AUTHOR

I **Sipho Zulu**, 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;
- 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;

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- 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: 25/10/2023

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#### 1. INTRODUCTION

Senkosi Environmental 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 12<sup>th</sup> audit was undertaken on the 25<sup>th</sup> of October 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 12<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 be made available to interested and affected parties (including organs of state in all

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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:

Mr Siphosenkosi Zulu compiled the audit report as 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 Water license audit at Kusile Power station, 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 Authorisations 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 template was revised to only focus on the relevant conditions and set those for rehabilitation out of this audit until the next rehabilitation phase.

### 1.6 Issues of discussion prior audit:

- Rehabilitation and closure of the construction phase
- ❖ The team announced to the ECO that the anticipated date of construction completion was earmarked to be 4<sup>th</sup> November 2023. This implies that the rehabilitation and closure report must be submitted to the Authority by 4 December 2023. This according to the condition on the EA obtained by the applicant. It was agreed that a rehabilitation plan or methodology or guide needed to be followed to ensure that all conditions are satisfied regarding the rehabilitation.
- ♦ The perimeter fence will be replaced as part fo the rehabilitation, except that it will only be implemented in March 2024. A concern was raised about the planned activity given its lateness. It was not clear if the fence forms part of the scope of work. The meeting agreed to ascertain this fact.
- Feedback from DFFE
- ✓ The Department of Forestry Fisheries and the Environmental had a site visit to the construction site on 5 September 2023. An enquiry was raised by the department regarding the date of commencement of the the project on site versus an approval date of the storm water management plan by the Msunduzi Municipality.

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However, this was discussed between DFFE and Eskom Senior environmental manager and resolved amicably and the the clarity offered by Eskom was well accepted by the department. 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 October 2023
Site visit and initial list of audit findings	25 October 2023
Draft Audit Report submitted to client	30 October 2023
Receipt of comments & review of draft report from Client	31 October 2023
Final Audit Report	31 October 2023
Report Close out	31 October 2023

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

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

- Installation of the:-
  - Precast walls,
  - curbs platform,
  - sensors in 11kV switch gear,
  - steel cover plates.
  - cable numbers ans cover tubing on BESS no 1 and 2
  - VT and surge arrestor jumpers on cable sealing end Brazing copper earth from vt foundation to main sub-earth,
  - Installation of water tanks and pipe work,
- Closing open trench in substation yard,
- Setting out kiosk foundation
- Cutting platform to level,
- Casting Foundation for steps at the back of Operation and monitoring building

#### 3. SUMMARY OF MAIN FINDINGS

The environmental audit for the month of October was conducted on the 25<sup>th</sup> of October 2023. On the day of the audit, some non-compliance was noted on site i.e., the precast wall pieces were placed outside the permitted area or precinct. 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:

- ✓ Precast walls pieces placed outside permitted area of the precinct.
- ✓ Letter to the interested and affected stakeholder was in adequate with prescribed details.
- ✓ The use of a Botanist instead of a Horticulture was noted.

#### 3.2. COMPLIANCES

The compliance included inter alia;

- ✓ Construction rubble was placed in a dedicated waste skip,
- Cement was mixed on boards to avoid soil contamination.
- ✓ Weekly induction training was carried out on a weekly basis
- ✓ 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 first aid kit was available on site

### 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	Complying with fraction of the conditions	OFI	
Improvement (to comply)		011	
Non-Compliance	Not Complying to any of the conditions	NC	
Not Applicable	Conditions that are not applicable at the time of inspection	N/A	

ENVIRONMENTAL AUDIT REPORT FOR THE PROPOSED ESKOM HOLDINGS (SOC) LIMITED BATTER
ENERGY STORAGE SYSTEM (BESS) ELANDSKOP SUBSTATION

Table 3: Compliance to the EA Conditions

COMPLIANCE TO EA CONDITIONS										
EA Condition		mplian	ce		Recommendation/ Comments	Responsible	Action Date			
	С	OFI	NC	N/A		Person				
Scope of Authorization										
The holder of the authorization is responsible for ensuring compliance with the conditions contained in the Environmental Authorization. Including any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, subcontractor, employee, consultant, or person rendering a service to the holder of the authorization.					An environmental officer has been appointed to monitor and enforce compliance on site on a day-to-day basis	Applicant	25 October 2023			
2. The activities authorized may only be carried out at the property as described on page 4 of the EA.					The precast wall units are placed outside the precinct.	Applicant	25 October 2023			
3. Any changes to, or deviations from, the project description set					There is no deviation from the project description.	Applicant	25 October 2023			

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

COI	COMPLIANCE TO EA CONDITIONS											
	EA Condition		Compliance			Recommendation/ Comments	Responsible	Action Date				
			OFI	NC	N/A		Person					
	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				
	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				
	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	25 October 2023				

EA Condition	Cor	npliand	ce		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	l						
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					No appeal has been ledged. The project has		
section 43 of the National Environmental Management Act, 1998						Applicant	25 October 2023
will suspend the environmental authorisation or any provision or				commenced properly.			
condition attached thereto. In the instance where an appeal is							
			1 1		1	1	1

COMPLIANCE TO EA CONDITIONS										
EA Condition		mpliand	ce		Recommendation/ Comments	Responsible	Action Date			
	С	OFI	NC	N/A		Person				
that the appeal has been finalised.										
10. 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 mixture of waste has finally been cleaned.  See attached picture.	Applicant	25 October 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 EMPr.					There is no plan to amend the EMPr.	ECO	25 October 2023			

COMPLIANCE TO EA CONDITIONS										
EA Condition		mpliand	ce		Recommendation/ Comments	Responsible	Action Date			
	С	OFI	NC	N/A		Person				
12. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.					The EMPr has not been updated.	ECO	25 October 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 subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.					The EMPr has not been updated.	ECO	25 October 2023			
Monitoring			l			1				

COMPLIANCE TO EA CONDITIONS										
EA Condition		Compliance			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										
authorised activities.										
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	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.									
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	25 October 2023		
Director Monitoring of the Department at									
Directorcompliance@environment.gov.za.									

COMPLIANCE TO EA CONDITIONS	COMPLIANCE TO EA CONDITIONS									
EA Condition	Compliance				Recommendation/ Comments	Responsible	Action Date			
	С	OFI	NC	N/A		Person				
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 remarks are done and authoritied to the					
environmental authorisation and the EMPr are audited, and that					Authority on monthly basis	Applicant	25 October 2023			
the audit reports are submitted to the Director: Compliance					Authority on monthly basis.					
Monitoring of the Department at										
Directorcompliance@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	F00	25 October 2022			
taking into account the processes for such auditing as prescribed					at DFFE.	ECO	25 October 2023			
in Regulation 34 of GNR 982.										

COMPLIANCE TO EA CONDITIONS									
EA Condition	Compliance				Recommendation/ Comments	Responsible	Action Date		
	С	OFI	NC	N/A		Person			
18. 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 outcome of the audit in terms of compliance with the environmental authorisation conditions as well as requirements of the approved EMPr.					The audit reports are compiled as per Appendix 7 of the EIA regulations, 2014 (as amended)		25 October 2023		
19. 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.					The reports are kept on site:  The weekly inspection  Environmental legal audit Monthly  These are conducted by Tractionel and audited by  Eskom EO. Audit reports by the ECO audit are	Tractionel EO Eskom EO	25 October 2023		

COMPLIANCE TO EA CONDITIONS								
EA Condition	Compliance				Recommendation/ Comments	Responsible	Action Date	
	С	OFI	NC	N/A		Person		
					placed on site to be accessed by anyone.			
Operation of the Activity								
Site Closure and Decommissioning								
20. 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.					The activity has not been rendered redundant.	Applicant	25 October 2023	
Specific EA Conditions								
21. The holder of the EA must, prior to commencement of					The department was informed as required.	Applicant	25 October 2023	

COMPLIANCE TO EA CONDITIONS									
EA Condition	Compliance				Recommendation/ Comments	Responsible	Action Date		
	С	OFI	NC	N/A		Person			
construction, inform this Department on the preferred technology or technology mixture of the BESS.									
22. 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 was used and kept within required amount.	Applicant	25 October 2023		
23. 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	25 October 2023		
24. 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, thus none were removed	Applicant/ Contractor	25 October 2023		

COMPLIANCE TO EA CONDITIONS									
EA Condition	Compliance				Recommendation/ Comments	Responsible	Action Date		
	С	OFI	NC	N/A		Person			
25. 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	25 October 2023		
26. An ongoing Alien invasive Management Plan must be compiled and implemented prior to construction activities.					Complied with prior the construction phase.	Applicant	25 October 2023		
27. 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	25 October 2023		
28. A species relocation plan must be compiled and submitted to the Msunduzi Municipality: Environmental Management Unit for					The species relocation plan was compiled and submitted.	Applicant	25 October 2023		

COMPLIANCE TO EA CONDITIONS								
EA Condition	Co	mplian	ce		Recommendation/ Comments	Responsible	Action Date	
	С	OFI	NC	N/A		Person		
comment and approval prior to site works commencing.								
29. 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 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.					A storm water management plan was submitted as required.	Applicant	25 October 2023	

EA Condition	Compliance				Recommendation/ Comments	Responsible	Action Date
	С	OFI	NC	N/A		Person	
30. Once the final technology alternative is selected, a detailed fire management and protection plan must be compiled and submitted to the relevant Municipality for consideration prior to undertaking any construction activities.					The decided technology was communicated to the Authority.	Applicant	25 October 2023
GENERAL CONDITIONS							
<ul> <li>31. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying:</li> <li>31.1 At the site of the authorised activity.</li> <li>31.2 To anyone on request; and</li> <li>31.3 Where the holder of the environmental authorisation has a</li> </ul>					All the copies were in the environmental file and were made available during the audit.	Applicant	25 October 2023

COMPLIANCE TO EA CONDITIONS									
EA Condition			N/A	Recommendation/ Comments	Responsible Person	Action Date			
website, on such publicly accessible website.		OFI	NC	IN/A					

Table 4: Compliance to the EMPr

COMPLIANCE TO THE EMPR CONDITIONS										
EMPr Condition	C OFI NC NA	Recommendation/Comments	Responsible Person	Action Date						
General Construction Activities	O O NO NA									
Environmental signage must be displayed on site including "no smoking," "fire hazards," etc.		Proper signage was available and properly displayed on site.	ECO	25 October 2023						
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	25 October 2023						

COMPLIANCE TO THE EMPR CONDITIONS	COMPLIANCE TO THE EMPR CONDITIONS											
EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date								
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	25 October 2023								
Clearing of the Site												
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.  The last batch to be trained was on 4 <sup>th</sup> October 2023. attendance register was verified.	Contractor	25 October 2023								
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.  See above evidence on 4 above.	Contractor/ ECO	25 October 2023								

COMPLIANCE TO THE EMPR CONDITIONS				
EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date
The contractor must maintain accurate records of any training undertaken.		Training Awareness records are kept and monitored on site.	Contractor	25 October 2023
7. The appointed Contractor must do an initial alien plant clearance and three follow up clearances.		The condition was complied with.	Contractor/ECO	25 October 2023
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	25 October 2023
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	25 October 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	25 October 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	25 October 2023

COMPLIANCE TO THE EMPR CONDITIONS				
EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date
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	25 October 2023
Earthworks				
13. 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	25 October 2023
14. Demarcation must remain in place for the duration of the work on site		All areas that require demarcation were demarcated as required.	Contractor/ECO	25 October 2023
15. 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	25 October 2023
Storage, mixing, and disposal of cement and concrete				
16. 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	25 October 2023

COMPLIANCE TO THE EMPR CONDITIONS					
EMPr Condition	Compliar	ice	Recommendation/Comments	Responsible Person	Action Date
17. 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	25 October 2023
18. 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	25 October 2023
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	25 October 2023
Soil Erosion					
20. Vegetation must not be removed unnecessarily			No vegetation was removed unnecessarily.	Contractor /ECO	25 October 2023
21. 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	25 October 2023

EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date
22. Topsoil (top 300mm layer minimum) must be removed prior to the construction by earthmoving equipment. Topsoil must be stored in heaps of not higher than 2m in a way that prevents damming. Stored topsoil must not be compacted.		The topsoil heap was kept to required height of 2m and less.	Contractor /ECO	25 October 2023
23. 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	25 October 2023
Ground water and Surface water pollution				
24. 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	25 October 2023
25. 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	25 October 2023

COMPLIANCE TO THE EMPR CONDITIONS				
EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date
26. 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	25 October 2023
Generation of general and domestic waste				
27. 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	25 October 2023
28. Refuse bins must not overflow and must be emptied regularly. No littering is permitted on site.		Refuse bins were well managed and emptied on frequently.	Contractor	25 October 2023
29. Building rubble must be kept separate from other construction waste.		Construction rubble was kept in a dedicated skip.	Contractor	25 October 2023
30. 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	25 October 2023
Visual Quality				
31. 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	25 October 2023

COMPLIANCE TO THE EMPR CONDITIONS					
EMPr Condition	Compliance	Recommendation/Comments	Responsible Person	Action Date	
Public safety and health					
32. 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	25 October 2023	
33. Interaction with objecting parties at the site must be well documented. A complaints register must be readily available on site. Interaction with external parties must be courteous.		No interaction with the objecting parties took place after the last audit.however the register is been kept.	Contractor	25 October 2023	

# 5. PHOTOGRAPHIC EVIDENCE OF THE FINDINGS



Figure 1: Proper demarcation around the laydown area and skip for building rubble



Figure 2: Cement mixing boards were used to avoid soil contamination

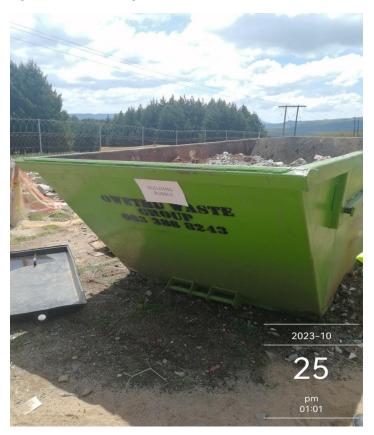


Figure 3: Building Rubble Waste inside dedicated skip

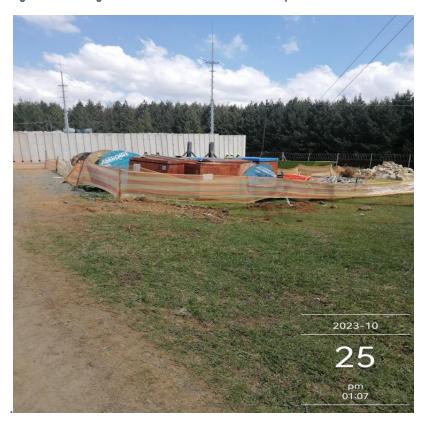


Figure 4: Properly demarcated laydown area and precast wall safely secured



Figure 5: Unauthorized laydown area outside licensed precinct storing precast wall material



Figure 6: Evidence of loading of precast material outside authorised laydown area



Figure 7: On site signage well placed and visible



Figure 8: Hazardous material clearly locked in safe cage.



Figure 9: Project Construction information board secured and in place



Figure 10: Waste management bins clearly marked and secured



Figure 11: Waste mixture behind the office was finally disposed



Figure 12: Ablution facilities well serviced, clean and labeled

#### 6. RECOMMENDATIONS

The stock of precast wall material to be removed form the unauthorized laydown outside the precinct.

#### 7. PERCENTAGE COMPLIANCE STATUS

Percentage compliance status indicates that **compliance** is **95.3** % while **non-compliance** is **4.92** % **not** applicable is **0** % and **opportunity for improvement** is **0** % for the month of September 2023.

Table 5: Rating compliance in percentages.

Rating	Description	Abbreviation	Number	%
Compliance	Fully Complying	С	61	95.3
Opportunity for Improvement (to comply)	Complying with fraction of the conditions	OFI	0	0
Non-Compliance	Not Complying to any of the conditions	NC	3	4.7
Not Applicable	Conditions that are not applicable at the time of inspection	N/A	0	0
Total aspects EMPr and EIA co	64	100		

#### 8. CONCLUSION

The site was found to be in a satisfactory condition on the day of the audit, 25 October 2023. Both the contractor and the applicant have the responsibility to ensure that the identified non-compliances are rectified before the next audit. The next audit is expected to be the rehabilitation and closure. Mechanical Completion of construction is planned to be on 4 November 2023. All activities in respect of pre-commissioning of the facility will be ready for commissioning. Rehabilitation to commence by end of November 2023. Thereafter closure audit December 2023 / January 2024.

#### 9. APPENDICES

- 9 A Appendix A: Attendance register for the audit team 25 October 2023.
- 9 B
   9 B
   Appendix C: Curriculum Vitae