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

REPORT NO. 4- February 2023

DEA REFERENCE NO. 14/12/16/3/3/1/2114/AM2



PREPARED FOR ESKOM HOLDINGS (SOC) LIMITED Eskom Holdings SOC Limited Contact: Tshililo Nekhalale Email: <u>NekhalT@eskom.co.za</u>

Submitted by:



ENVIRONMENTAL SINCE 2007

| SENKOSI ENVIRONMENTAL CONSULTANTS | | | | | | | | |
|-----------------------------------|---|--|--|--|--|--|--|--|
| NAME OF AUTHOR Mr. Sipho Zulu | | | | | | | | |
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I. DETAILS OF THE ENVIRONMENTAL AUDIT REPORT AUTHOR

II. DECLARATION OF THE AUTHOR

I ... **Siphosenkosi 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;
- 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

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• 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: 10/02/2023

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| CO | N | ΤE | N | TS: |
|----|---|----|---|-----|
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1. INTRODUCTION

Senkosi Environmental Consulting, the appointed independent Environmental Control Officer (ECO) for the proposed Eskom Holdings (Soc) Limited Battery Energy Storage System (Bess) Elandskop Substation, located within the Msunduzi and Mpendle Local Municipalities, KwaZulu-Natal province conducted the third audit on the 3rd of February 2023. This environmental audit report has been 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). The report presents the audit findings of the audit which was conducted 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 and 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.
- 1.3 Requirements for Environmental Auditors

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

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 also 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 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 to conduct the assessment and who prepared the audit report are:

Mr Siphosenkosi Zulu 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 pat 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 Authorisation 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 CVs for the environmental auditors are attached in Annex B.

1.5 Environmental Audit Methodology

Senkosi Environmental performed an independent assessment of the Elandskop BESS compliance with the EA and performance against the 2020 EMPr requirements. Preparation of the Audit was conducted by communicating with the EO on site. She was consulted to confirm her availability on site and all other members of the site management team. Dates were set and confirmed with key members.

Arrival was at 08:30 in the morning and a meeting was held to discuss how the audit would be conducted for that day. Issues were discussed relevant to the audit. A safety presentation was made by a safety officer on site addressing among other things the emergency situation that may arise. Attendees we told where and how to move to the point of assembly should there be an emergency. The attendance register was to be used to account for all personnel on site. An attendance register was completed by all members attending the audit session. See attached appendix showing the attendance register. The key delivery milestones for the Environmental Audit are presented below:

FEBRUARY 2023

| Engagement Milestones | Delivery Date |
|--|------------------|
| Initiation of Communication for Audit Plan | 22 November 2022 |
| Site visit and initial list of audit findings | 10 February 2023 |
| Draft Audit Report submitted to client | 16 February 2023 |
| Receipt of comments & review of draft report from Client | 17 February 2023 |
| Final Audit Report | 18 February 2023 |
| Engagement Close-out Meeting proposed for | 19 February 2023 |

2. SUMMARY OF MAIN FINDINGS

The environmental audit was conducted on the 10th of February 2023.On the day of the audit, it was noted that the topsoil was partially covered as the contractor was still awaiting the netting to be delivered. It was also noted that the alien invasive vegetation (kukui grass) that was cleared on site to prepare the site for the construction activities had not been entirely removed from the topsoil. The drip trays were not properly kept on nor in a good condition, the contactor was advised to replace them.

Additionally, it was noted that the access road that had been proposed in the preceding audit had already been built and that the vegetation that was cleared in order to prepare for the road construction is still kept on site and is awaiting proper disposal. No construction activities were taking place on the day of the audit due to the rain.

Correct signage and traffic calming measures were well implemented within the site. The waste bins were properly labelled, closed and contained the designated waste type. The ablution facilities were well maintained and complied with the specifications of the EMPr. Sufficient fire extinguishers were present on site and site and the service was up to date. The first aid was available.

2.1. Non-Compliances

The recorded non-compliances were as follows:

- ✓ The topsoil was partially covered.
- The alien invasive vegetation that was removed on site prior construction had not been properly disposed of.
- ✓ The drip trays were not properly kept on nor in a good condition
- In appropriate housekeeping was identified on site (the grass, steel and wooden waste at the back of the site was still not properly disposed of)

✓ Sand bags were still not placed along the edge of the trenched area to avoid silting and potential erosion.

2.2. COMPLIANCES

- ✓ The environmental file was present on site, and it contained all the necessary documentation.
- ✓ A security guard was available on site to control access.
- ✓ Sufficient fire extinguishers were provided and serviced.
- ✓ Stockpiles within the construction site did not exceed 2 meters in height.
- \checkmark Proper signage and traffic calming measures were well implemented on site.
- \checkmark The no-go areas were barricaded to control access.
- ✓ All stationary vehicles had drip trays underneath to prevent soil and groundwater contamination.
- \checkmark The first aid kit was present on site.
- ✓ The ablution facilities are well maintained and serviced monthly. Proof of weekly service was provided.

3. COMPLIANCE MONITORING

The compliance monitoring was done against the approved EMPr and EA.

| 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 | |

FEBRUARY 2023

Table 2: Compliance to the EA Conditions

| | COMPLIANCE TO EA CONDITIONS | | | | | | | | | | |
|---|--|--|------------|----|-----|--|-------------|---------------------|--|--|--|
| | EA Condition | | Compliance | | | Recommendation/ Comments | Responsible | Action Date | | | |
| | | | OFI | NC | N/A | | Person | Action Date | | | |
| | Scope of Authorization | | | | | | | | | | |
| 1 | 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, sub- contractor, 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 | 17 October 2022 | | | |
| 2 | The activities authorized may only be carried out at the property as described on page 4 of the EA | | | | | All construction activities were kept within the site boundary. | Applicant | 10 February 2023 | | | |
| 3 | Any changes to, or deviations from, the project description set out in this authorization must be approved, in writing, by the Department before such changes or deviations may be affected. | | | | | There is no deviation from the project description. | Applicant | 10 February 2023 | | | |

| | COMPLIANCE TO EA CONDITIONS | | | | | | | | | | |
|----|--|---|------------|----|-----|--|-----------------------|---------------------|--|--|--|
| | EA Condition | | Compliance | | | Recommendation/ Comments | Responsible Person | Action Date | | | |
| | | С | OFI | NC | N/A | | reison | | | | |
| 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 in order 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 November 2022. | | | |
| 6. | 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 4 th of November 2022. A letter was be sent to the DFFE. | Applicant | 03 February 2023 | | | |

| COMPLIANCE TO EA CONDITIONS | | | | | | | | | | |
|---|----------|------------|----|-----|---|-------------|--------------|--|--|--|
| EA Condition | | Compliance | | | Recommendation/ Comments | Responsible | Action Date | | | |
| | С | OFI | NC | N/A | | Person | | | | |
| 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 th of June 2020 and the I&APs were notified on 24 June 2020. | Applicant | 20 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 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. | | | | | The letter did not inform the I&AP about the reasons of the decision as stipulated in the National Appeal Regulations 2014. | Applicant | 24 June 2020 | | | |
| Commencement of the Activity | <u> </u> | 1 | | L | | L | 1 | | | |

| | COMPLIANCE TO EA CONDITIONS | | | | | | | | | | |
|----|--|---|------------|----|-----|---|-------------|---------------------|--|--|--|
| | EA Condition | | Compliance | | | Recommendation/ Comments | Responsible | Action Date | | | |
| | | С | OFI | NC | N/A | | Person | | | | |
| 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 section 43 of the National Environmental Management Act, 1998 will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised. | | | | | No appeal has been lodged. | Applicant | 10 February 2023 | | | |
| 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 contractor is complying with majority of the EMPr conditions, however, there are recurring non compliances that still need to be addressed. Please refer to the photographic evidence below (for example the mixed waste behind the site offices) | Applicant | 10 February 2023 | | | |

| | | | COM | PLIANO | CE TO EA CONDITIONS | | | | | | | |
|--|---|-----|---------|--------|---|-------------|---------------------|--|--|--|--|--|
| EA Condition | | Com | pliance | 9 | Recommendation/ Comments | Responsible | Action Date | | | | | |
| | С | OFI | NC | N/A | | Person | | | | | | |
| 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. | | | | | The EMPr has not been updated. However, there is an apparent requirement to update the EMPr as there seems to be some errors in the designated responsibilities. | ECO | 10 February 2023 | | | | | |
| The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report. | | | | | The EMPr has not been updated. | ECO | 10 February 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, | | | | | The EMPr will be submitted to the department once it has been updated. | ECO | 10 February 2023 | | | | | |

| COMPLIANCE TO EA CONDITIONS | | | | | | | | | | | | |
|---|------------|-----|----|-----|--|-------------|----------------|--|--|--|--|--|
| EA Condition | Compliance | | | | Recommendation/ Comments | Responsible | Action Date | | | | | |
| | С | OFI | NC | N/A | | Person | notion bate | | | | | |
| prior to submission of the updated EMPr to the | | | | | | | | | | | | |
| Department for approval. | | | | | | | | | | | | |
| Monitoring | • | • | | | | | | | | | | |
| 14. The applicant must appoint an independent | | | | | | | | | | | | |
| Environmental Control Officer (ECO) for the | | | | | | | | | | | | |
| construction phase of the development that will | | | | | | | | | | | | |
| have the responsibility to ensure that the | | | | | | | | | | | | |
| mitigation/rehabilitation measures and | | | | | An ECO was appointed, and the appointment letter | | | | | | | |
| recommendations referred to in this environmental | | | | | was sent to DFFE. | | | | | | | |
| authorisation are implemented and to ensure | | | | | The weekly reports are submitted to the ECO by the | Applicant | 03 August 2022 | | | | | |
| compliance with the provisions of the approved | | | | | EO on any incidents and transgressions. | | | | | | | |
| EMPr. | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | |

| COMPLIANCE TO EA CONDITIONS | | | | | | | | | | | | |
|---|---|-----|---------|-----|--|-------------|--------------------|--|--|--|--|--|
| EA Condition | | Com | pliance | • | Recommendation/ Comments | Responsible | Action Date | | | | | |
| | С | OFI | NC | N/A | | Person | | | | | | |
| Director: Compliance monitoring of the Department | | | | | | | | | | | | |
| at Directorcomplience@environment.go.za | | | | | | | | | | | | |
| 14.3 The ECO must keep record of all activities on | | | | | | | | | | | | |
| site, problems identified, transgressions noted and | | | | | | | | | | | | |
| a task scheduled of tasks undertaken by the ECO. | | | | | | | | | | | | |
| 14.4 The ECO must remain employed until all | | | | | | | | | | | | |
| rehabilitation, as required for implementation due | | | | | | | | | | | | |
| to construction damage, are 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 | | | | | The ECO has already sont communication to the | | 24 January | | | | | |
| Department in terms of this environmental | | | | | The ECO has already sent communication to the directorate. | ECO | 24 January 2023 | | | | | |
| authorisation, must be submitted to the Director | | | | | | | 2023 | | | | | |
| Monitoring of the Department at | | | | | | | | | | | | |
| Directorcompliance@environment.gov.za. | | | | | | | | | | | | |

| 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 reports are done and submitted for the monthly | Applicant | 10 Feb 23 | | | | | | |
| environmental authorisation and the EMPr are | | | | | | | | | | | | | |
| audited, and that the audit reports are submitted to | | | | | audits. | | | | | | | | |
| the Director: Compliance Monitoring of 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 | | | | | The audits are conducted monthly as required by the | | 10 February | | | | | | |
| frequency indicated in the EMPr, taking into account | | | | | EA, and the delays were reported on the letter that | ECO | 10 February 2023 | | | | | | |
| the processes for such auditing as prescribed in | | | | | was sent to the Department on 24 January 2023. | | 2023 | | | | | | |
| 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 holder of the EA must, in addition, submit an | | | | | | | | | | | | |
| Environmental Audit Report to the Department | | | | | | | | | | | | |
| within 30 days of completion of the construction | | | | | The construction estivities are still under your | ECO | 10 February | | | | | |
| phase (i.e., within 30 days of site handover) and a | | | | | The construction activities are still underway. | ECO | 2023 | | | | | |
| final environmental audit report within 30 days of | | | | | | | | | | | | |
| completion of 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 | | | | | | | 10 February | | | | | |
| date of the audit, the name of the auditor and the | | | | | The audit reports are compiled as per Appendix 7 of | | 10 February | | | | | |
| outcome of the audit in terms of compliance with | | | | | the EIA regulations, 2014 (as amended) | | 2023 | | | | | |
| the environmental authorisation conditions as well | | | | | | | | | | | | |
| as requirements of the approved EMPr. | | | | | | | | | | | | |

| | COMPLIANCE TO EA CONDITIONS | | | | | | | | | | | |
|---|-----------------------------|-----|----|-----|---|---------------------------|---------------------|--|--|--|--|--|
| EA Condition | Compliance | | | | Recommendation/ Comments | Responsible | Action Date | | | | | |
| | С | OFI | NC | N/A | | Person | Auton Bute | | | | | |
| 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. | | | | | The reports are kept on site: The weekly inspection Environmental legal audit Monthly These are conducted by Tractional and audited by Eskom EO. ECO audit will also be placed on site once available. | Tractional EO Eskom EO | 10 February 2023 | | | | | |
| Operation of the Activity | | | | | | | | | | | | |
| Site Closure and Decommissioning | | | | | | | | | | | | |
| 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 | Applicant | 10 February 2023 | | | | | |

| | | | COM | PLIANO | CE TO EA CONDITIONS | | |
|--|---|------------|---------------|----------|--|-----------------------|---------------------|
| EA Condition | C | Com OFI | pliance NC | e N/A | Recommendation/ Comments | Responsible Person | Action Date |
| 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. | | | | | A letter informing the Department of the preferred technology was submitted on the 13 October 2022 to the department | Applicant | 13 October 2022 |
| 23. The holder of the EA must ensure that the volume of dangerous goods on site does not exceed 500m ³ | | | | | The diesel bowser storing dangerous fuel is monitored to be kept at 300 liters and is always kept at the capacity of 300 liters. | Applicant | 03 February 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 only limited to the required footprint. | Applicant | 10 February 2023 |
| 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 | 10 February 2023 |

| | COMPLIANCE TO EA CONDITIONS | | | | | | | | | | | | |
|---|-----------------------------|-----|---------|-----|---|--------------------------|---------------------|--|--|--|--|--|--|
| EA Condition | | Com | pliance |) | 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 | 10 February 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 | 10 February 2023 | | | | | | |
| 28. A horticultural specialist must be appointed to identify and relocate sensitive plant species prior to any site works. | | | | | The horticulturalist was not used but a Botanist. | Applicant | 10 February 2023 | | | | | | |
| 29. An ongoing Alien invasive Management Plan must be compiled and implemented prior to construction activities. | | | | | The invasive plants were removed but not appropriately disposed of. The contractor was given 14 days to correct the situation. The end of 14 ends on 17 February 2023. | Applicant | 10 February 2023 | | | | | | |

| | COMPLIANCE TO EA CONDITIONS | | | | | | | | | | | | |
|--|-----------------------------|-----|---------|-----|---|-------------|--------------------|--|--|--|--|--|--|
| EA Condition | | Com | pliance |) | Recommendation/ Comments | Responsible | Action Date | | | | | | |
| | С | OFI | NC | N/A | | Person | | | | | | | |
| 30. A Landscape Plan must be submitted to the MsunduziManagement Unit for comment and approval prior to site works commencing. | | | | | A letter was sent to Msunduzi Municipality, and it was approved. The letter from the municipality was obtained. | Applicant | 14 October 2022 | | | | | | |
| 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. | | | | | A letter was sent to Msunduzi LM and was approved. | Applicant | 14 October 2022 | | | | | | |

| COMPLIANCE TO EA CONDITIONS | | | | | | | | | | | | | |
|---|---|-----|---------|-----|--|-------------|-------------|--|--|--|--|--|--|
| EA Condition | | Com | pliance |) | Recommendation/ Comments | Responsible | Action Date | | | | | | |
| | С | OFI | NC | N/A | | Person | Action Date | | | | | | |
| 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 and | | | | | | | | | | | | | |
| approval prior to any site works commencing. The | | | | | | | | | | | | | |
| Storm Water Management Plan must address the | | | | | | | | | | | | | |
| impacts associated with the increase in hardened | | | | | The stormwater management plan was | Angelia ant | 23 November | | | | | | |
| surface area and must address quantity and quality | | | | | submitted and approved by the Msunduzi | Applicant | 2022 | | | | | | |
| of the storm water discharged from the site and | | | | | Municipality. | | | | | | | | |
| 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. | | | | | | | | | | | | | |

February 2023

| | COMPLIANCE TO EA CONDITIONS | | | | | | | | | | | | |
|-----|--|--|------------|----|-----|---|-------------|-------------|--|--|--|--|--|
| | EA Condition | | Compliance | | | Recommendation/ Comments | Responsible | Action Date | | | | | |
| | | | OFI | NC | N/A | | Person | | | | | | |
| 33. | Once the final technology alternative is selected, a | | | | | The submission for consideration was done on | | | | | | | |
| | detailed fire management and protection plan must | | | | | 1 August 2022. But the response from the | | 10 February | | | | | |
| | be compiled and submitted to the relevant | | | | | Municipality was only received on 20 November | Applicant | 2022 | | | | | |
| | Municipality for consideration prior to undertaking | | | | | 2022. While the commencement was on or | | 2022 | | | | | |
| | any construction activities. | | | | | around the 1 st of November 2022. | | | | | | | |
| GE | 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: | | | | | | | 10 February | | | | | |
| | 30.1 At the site of the authorised activity. | | | | | Copies are available on site and the Eskom website. | Applicant | 2023 | | | | | |
| | 30.2 To anyone on request; and | | | | | | | 2023 | | | | | |
| | 30.3 Where the holder of the environmental | | | | | | | | | | | | |
| | authorisation has a website, on such publicly | | | | | | | | | | | | |
| | accessible website. | | | | | | | | | | | | |

Table 3: Compliance to the EMPr

| | | | COMF | PLIANCE | TO THE EMPR CONDITIONS | | | | | | | | |
|--|---|------------|------|---------|--|-------------|---------------------|--|--|--|--|--|--|
| EMPr Condition | | Compliance | | | Recommendation/Comments | Responsible | Action Date | | | | | | |
| | с | OFI | NC | NA | | Person | | | | | | | |
| General Construction Activities | | | | | | | | | | | | | |
| Environmental signage must be displayed on site including "no smoking", "fire hazards", etc. | | | | | Proper signage was available on site. Please refer to the attached photographic evidence. | Contractor | 10 February 2023 | | | | | | |
| Emergency numbers must be clearly displayed | | | | | Emergency numbers are clearly displayed. | Contractor | 10 February 2023 | | | | | | |
| Access fuel and other equipment stores must be strictly controlled | | | | | Access fuel and other equipment stores are strictly controlled. | Contractor | 10 February 2023 | | | | | | |
| | | | | С | learing of the Site | | | | | | | | |
| The Contractor must do an initial alien plant clearance and three follow up clearances. | | | | | Alien plant clearance was undertaken but not appropriately disposed of as specified by the alien invasive management plan. | Contractor | November 2022 | | | | | | |

| | | | СОМ | PLIANC | E TO THE EMPR CONDITIONS | | ible Action Date | | | |
|---|---|------------|---------|----------|--|-------------|---------------------|--|--|--|
| EMPr Condition | | Compliance | | | Recommendation/Comments | Responsible | Action Date | | | |
| | С | OFI | NC | NA | - | Person | | | | |
| Site clearing must be limited to only the area designated for the specified works. | | | | | Site clearance was only undertaken within the site area. | Contractor | 10 February 2023 | | | |
| "No-go" areas prior to earthworks commencing | | | | | The no-go areas were clearly barricaded | Contractor | 10 February 2023 | | | |
| No unauthorized entry, stockpiling, dumping or storage of equipment in "no-go" areas, or outside the site boundary. | | | | | Access to the site is controlled by a security guard. All activities are kept within the site boundary. | Contractor | 10 February 2023 | | | |
| | | | | J | Earthworks | 1 | | | | |
| The earthworks operation must be carried out by a suitably qualified contractor. | | | | | The qualifications of the Contractor were submitted to the ECO | Contractor | 10 February 2023 | | | |
| | | Stor | rage, m | ixing, a | nd disposal of cement and concrete | <u> </u> | | | | |

| | | | COM | PLIANCI | E TO THE EMPR CONDITIONS | | |
|--|---|------|--------|---------|---|-------------|---------------------|
| EMPr Condition | | Comp | liance | | Recommendation/Comments | Responsible | Action Date |
| | С | OFI | NC | NA | | Person | |
| 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 | 10 February 2023 |
| | | | | | Soil Erosion | | |
| Vegetation must not be removed unnecessarily | | | | | No vegetation was removed unnecessarily. | Contractor | 10 February 2023 |
| Soil erosion measures must be placed on sensitive areas like banks, slopes and towards the site boundary. | | | | | The contractor advised that the sandbags will be placed on the identified sensitive areas by the end of the following week. | Contractor | 14 February 2023 |
| All stockpiles must be covered with suitable material to prevent loss of sediment via wind/ water. | | | | | A portion of the topsoil was not covered. The issue will be rectified by the next audit. | Contractor | 10 February 2023 |

| | | | COM | PLIANC | E TO THE EMPR CONDITIONS | | |
|--|------------|-----|------|-------------------------|--|-------------|---------------------|
| EMPr Condition | Compliance | | | Recommendation/Comments | Responsible | Action Date | |
| | с | OFI | NC | NA | | Person | |
| 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 heaps were not higher than 2m. | Contractor | 10 February 2023 |
| 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 | 10 February 2023 |
| Disturbed sites must be rehabilitated as soon as construction in an area is complete and not left until the end of the project to be rehabilitated. | | | | | Not applicable as the rehabilitation process has not commenced. | Contractor | 10 February 2023 |
| | | | Grou | nd wate | er and Surface water pollution | | |
| 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 | Contractor | 10 February 2023 |

| | | | | COMI | PLIANC | E TO THE EMPR CONDITIONS | | |
|--|---|------------|-----|------|-------------------------|---|-------------|---------------------|
| EMPr (| Condition | Compliance | | | Recommendation/Comments | Responsible | Action Date | |
| | | С | OFI | NC | NA | | Person | |
| Spills that result in the ground and/or surface reported immediately | e water must be | | | | | No spillages were recorded on the day of the audit. | Contractor | 10 February 2023 |
| Spills must be manag manner: | ed in the following | | | | | No spillages were recorded on the day of the audit. | Contractor | 10 February |
| ✓ Stop the spill | | | | | | | | 2023 |
| ✓ Contain the spill | | | | | | | | |
| | t spills to DWS and the y Water and Sanitation | | | | | | | |
| ✓ Remove spilled r treatment/dispos | | | | | | | | |
| Determine any p groundwater, sto | ossible impact to soils, rm water, etc. | | | | | | | |
| ✓ Undertake any nations | ecessary remedial | | | | | | | |
| ✓ Document the sp | ill | | | | | | | |
| ✓ Employees involves be using PPE | ved in spill control must | | | | | | | |
| | | | | | | Cleaning on-site | | |

| EMPr Condition | | Comp | oliance | | | Responsible | Action Date |
|--|---|------|---------|-----------|---|-------------|---------------------|
| | С | OFI | NC | NA | | Person | |
| A chemical spill kit must be present onsite at all times and once used it must be disposed of at a registered hazardous landfill site. | | | | | A chemical spill kit was present on site. Please refer to the attached photographic evidence. | Contractor | 10 February 2023 |
| | | | Gene | eration c | of general and domestic waste | | |
| Refuse bins must be provided for domestic waste (lunch litter) and placed in designated eating areas and any other areas where deemed necessary to control littering. | | | | | Sufficient refuse bins were provided properly labelled. | Contractor | 10 February 2023 |
| Refuse bins must not overflow and must be emptied regularly. No littering is permitted on site. | | | | | The refuse bins were not overflowing on the day of the audit. | Contractor | 10 February 2023 |
| Building rubble must be kept separate from other construction waste. | | | | | The construction rubble was disposed of at the New England landfill site. Proof of disposal was provided. | Contractor | 10 February 2023 |
| All waste must be disposed of at approved andfill sites, no burning or burying is permitted. | | | | | Waste is disposed of at the New England landfill site. | Contractor | 10 February 2023 |

| | | | СОМ | PLIANCE | TO THE EMPR CONDITIONS | | |
|---|---|------|--------|---------|---|-------------|---------------------|
| EMPr Condition | | Comp | liance | | Recommendation/Comments | Responsible | Action Date |
| | С | OFI | NC | NA | | Person | |
| The site must be well maintained and neat. | | | | | A mixture of waste including wood, steel, conductor cables, and general was observed on site. To be removed within 14 days. | Contractor | 27 February 2023 |
| | | | | Pub | lic safety and health | | |
| First aid kits must be available on site as well as an incident records file | | | | | The first aid kit was available on site | Contractor | 10 February 2023 |
| 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 complaints were recorded on the complaints register, however, local residents have complaints regarding the project. | Contractor | 10 February 2023 |

FEBRUARY 2023

4. PHOTOGRAPHIC EVIDENCE OF THE FINDINGS

Figure 1: Proper signage well implemented on site.



Figure 2: Evidence of a waste bins being properly labelled





Figure 3: Evidence of a waste bin containing the designated waste type

Figure 4: Evidence of ablution facilities being well maintained





Figure 5: Evidence of sufficient waste bins being provided on site

Figure 6: Evidence of the topsoil being partially covered





Figure 7: Serviced Fire extinguishers were present on site

Figure 8: Evidence of the designated smoking area



Figure 9: Evidence of the first aid kit being present on site



Figure 10: Evidence of toilets being serviced weekly

| | DR 013(PTE 21061) |
|---|----------------------------------|
| ENVCC | |
| | EMAIL: service@jusicocs.co.za |
| DATE 07/02/2023 DRIVER: KOGUCAN | 164197 |
| CUSTOMER: BEMPEN IN ADDRESS: PASS MPHOPHO ESKAM POWER ST | ENT ON ROAD TO GOSTON |
| NUMBER OF 4 | NUMBER OF TOILET ROLLS |
| TOILET NF INT. NF | SHOWER |
| VIP PJF | PJNF ARM DIS |
| TOILET No : 0222,0666,0 | 908,1507 |
| | |
| TIME IN: 14:18 TIME OUT: 14:44 NAME: D. 20 TK SIGNATURE: D. 2007 TEL. NO: | |
| COMMENTS: | |



Figure 11: All stationary vehicles had drip trays underneath

Figure 12: Evidence of a drip tray underneath a stationary vehicle





Figure 13: Evidence of drip trays being inappropriately kept on site and being in a bad condition

Figure 14: Evidence of no-go areas being barricaded





Figure 15: Evidence of the kukui grass being kept on site and awaiting proper disposal

Figure 16: Evidence of inappropriate housekeeping



5. RECOMMENDATIONS

- It is recommended that the contractor rectifies all the identified non-compliances within the specified timeframes.
- The recurring non-compliances shall be addressed before the next audit. The contractor needs to ensure that all the complaints (socio-economic and environmental) are recorded in the complaints register as stipulated in the EMPr.
- The receipts for the servicing of the toilets shall be fully completed (e.g., time in, time out and comments).

6. CONCLUSION

The site was found to be in a satisfactory condition on the day of the audit. The contractor was advised to rectify all the non-compliances before the next audit. Both the contractor and applicant have the responsibility to ensure that the identified non-compliances are rectified before the next audit report which is set to take place on the 17th of March 2023.