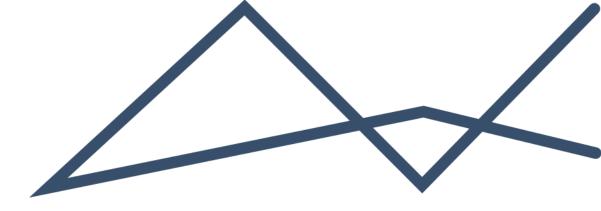


ENVIRONMENTAL IMPACT MANAGEMENT SERVICES

T 011 789 7170 E info@eims.co.za Wwww.eims.co.za

MONTHLY ECO COMPLIANCE REPORT – APRIL 2022 ESKOM WOESTALEEN 132KV LILO POWERLINE





DOCUMENT DETAILS

EIMS REFERENCE:	1457
DOCUMENT TITLE:	MONTHLY ECO COMPLIANCE REPORT - APRIL 2022

DOCUMENT CONTROL

	NAME	SIGNATURE	DATE
COMPILED:	Qaphela Magaqa	Sent Electronically	2022/04/19
CHECKED:	Sikhumbuzo Mahlangu	Sent Electronically	2022/04/19
AUTHORIZED:	Liam Whitlow	Sent Electronically	2022/04/19
REVISION AND AMEN	IDMENTS		
REVISION DATE:	REV #	DESCRIPTION	
2022/04/19	2022/04/19 ORIGINAL DOCUMENT		ANCE REPORT FOR APRIL

This document contains information proprietary to Environmental Impact Management Services (Pty) Ltd. and as such should be treated as confidential unless specifically identified as a public document by law. The document may not be copied, reproduced, or used for any manner without prior written consent from EIMS. Copyright is specifically reserved.



Т	able	of Contents	
1	INTF	RODUCTION	1
2	DET	AILS OF THE ECO	1
	2.1	EXPERTISE OF THE ECO	1
	2.2	DECLARATION OF INDEPENDENCE	1
3	LICE	NCES AND PERMITS	2
4	SCO	PE, PURPOSE AND OBJECTIVE OF THE AUDIT	2
5	AUD	DIT METHODOLOGY	2
	5.1	PROCEDURE FOR THE AUDIT	2
	5.2	EVALUATION CRITERIA USED DURING THE AUDIT	2
6	RESU	ULTS OF THE AUDIT	2
	6.1	COMPLIANCE SUMMARY	
7	EXTE	ENT OF ACTIVITIES	4
8	OBS	ERVATIONS	5
	8.1	GOOD COMPLIANCES	1
	8.2	AREAS OF CONCERN	
	8.3	NON-COMPLIANCES	5
	8.4	STATUS OF NON-COMPLIANCES REPORTED DURING PREVIOUS REPORTING PERIODS	7
	8.5	NON-COMPLIANCE REPORTS	7
	8.6	INCIDENTS	7
	8.7	COMPLAINTS	7
9	CON	ICLUSION	7
10) ASSI	UMPTIONS AND LIMITATIONS	8

List of Tables

Table 1: List of Good Compliances recorded during this reporting period.	. 1
Table 2: Areas of Concern noted during the reporting period	3
Table 3: Non-Compliance noted during this reporting period	.5
Table 4: Summary of observations noted during the reporting period	.7

List of Figures

Figure 1: Summary of compliance with the requirements of the EA	3
Figure 2: Summary of compliance with the requirements of the EMPr	3
Figure 3: Bush clearing activity in the Eskom powerline servitude.	4
Figure 4:Security / guard post and chemical ablution facilities in substation site camp	4
Figure 5: View of an area where bush clearing and stacking of plant material was done	5

 Δ

Figure 6: View of pegged area where bush clearing is to occur	5
---	---

List of Abbreviations

Abbreviation	Item			
EA	Environmental Authorisation			
EIMS	Environmental Impact Management Services (Pty) Ltd			
EMPr	Environmental Management Programme			
ECO	Environmental Control Officer			
GA	General Authorisation			
GC	Good Compliance			
LILO	Loop in-Loop out			
NC	Non-Compliance			
NCR	Non-Compliance Report			
PPE	Personal Protective Equipment			
WIP	Work in Progress			



Definitions

Term	Definition		
Non-compliance Report (NCR)	Non-Compliance Reports (NCRs) are issued to the project or relevant contractor if the recorded NCs are not addressed in the agreed timeframes.		
Non-compliance (NC)	Instances where a provision of environmental legislation (national, provincial, or local) and/or condition of an environmental approval (for example, environmental authorisation, water use licence, waste licence, licence in terms of the National Forests Act) or any other legal document issued in terms of environmental legislation is contravened.		
	Note 1: Environmental legislation refers to legislation or legal requirements that has/have, or potentially has/have, an impact on activities interacting with the physical environment as defined in NEMA, including, but not limited to, events that result in either air pollution, sterilising the soil, or destroying rare, endangered, or protected fauna or flora (as set out in the NEMA: Biodiversity Act or provincial environmental ordinances) or result in making any water resource unfit for its original purpose, such as domestic, agricultural, or industrial use, or reduce the water quality to such a state that human intervention is required to restore it to its original quality.		
Major Non-compliance	Any non-compliance that has the potential to result in a greater consequence than recorded and would include serious/disabling injury, fatality (s), catastrophic failure, major environmental impact/discharge.		
Minor Non-compliance	A non-compliance that resulted in its greatest consequence or would require additional factors, that are unlikely, to achieve a more serious outcome.		
Incident	Any unplanned event that could, or does, result in harm, damage, and/or environmental pollution or degradation or gives rise to an accident or has the potential to lead to an accident.		
Incident management	Incident management is an integral function of risk management and is aimed at reducing the impact of incidents, enabling corrective action to be taken and changed practice to be introduced. It also allows for learning from the incidents that have occurred to prevent similar incidents from happening or to mitigate their impact. This includes the effective communicating, reporting, measurement, recording and investigation of incidents.		
NEMA section 30 incident	"Incident" means an unexpected, sudden and uncontrolled release of a hazardous substance, including from a major emission, fire or explosion, that causes, has caused or may cause significant harm to the environment, human life or property.		



1 INTRODUCTION

Eskom Holdings SOC Ltd. (Eskom) was granted an Environmental Authorisation (EA) (DEA Ref. no: 14/12/16/3/3/1/1876) for the proposed Woestaleen 132kV Chikadee loop in-loop out (LILO) powerline between the existing Bothashoek/speculate 132kV powerline and the Woestaleen substation within the Steve Tshwete Local Municipality, Mpumalanga Provice on the 25th April 2018. Environmental Impact Management Services (EIMS) (Pty) Ltd was appointed by Eskom to fulfil the role of the ECO for the Woestaleen 132kV LILO powerline.

A subsidiary of Eskom has been appointed as the principal contractor to carry out construction works, with Rejcon appointed to undertake bush clearing. Rejcon is currently busy with bush clearing work to make way for the principal contractor to conduct soil nominations and other pre-construction phase activities of the project. It is among the conditions of the EA and Environmental Management Programme (EMPr) that an Independent Environmental Control Officer (ECO) is appointed to monitor the project compliance with conditions of the environmental legislation. The ECO is required to conduct monthly monitoring inspections /audits and compile a monthly report based on the findings of the inspections /audit.

This report provides feedback on the observations made by the ECO on the site inspection conducted on the 04th of April 2022. The project has officially entered the construction phase with the handover meeting undertaken on the 25th of March 2022. Introductions and environmental inductions were undertaken on site during the handover site meeting and subsequently during the bush clearing contractor's mobilisation.

2 DETAILS OF THE ECO

The ECO audit was undertaken by Qaphela Magaqa from EIMS on the 04th of April 2022. Mr Magaqa's details are described in the section below.

2.1 EXPERTISE OF THE ECO

Mr. Magaqa holds a BSc. Honours degree in Geographic Information Systems and a BSc degree in Geology and Geography from the Nelson Mandela University. He is an Environmental Consultant with 2 years' experience and 2 years' experience in GIS. His expertise lies mainly in environmental management, waste management, GIS, auditing and reporting. Mr. Magaqa has been involved in the Stutterheim landfill restoration project, where he conducted internal compliance audits. He has also been involved in projects in the waste sector.

2.2 DECLARATION OF INDEPENDENCE

I, Qaphela Magaqa, declare that -

- I act as the independent Environmental Control Officer;
- I will perform the work relating to the ECO audits in an objective manner, even if this results in views and findings that are not favourable to the Client;
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting environmental audits, including knowledge of the environmental Acts, regulations and any guidelines that have relevance to the audited operations;
- I will comply with the relevant Acts, regulations and all other applicable legislation;
- I have no, and will not engage in, conflicting interests in the audit process; and
- I realise that a false declaration is an offence in terms of regulation 48 and is punishable in terms of section 24F of the NEMA.

I do not have and will not have any vested interest (either business, financial, personal or other) in the audit other than remuneration for work performed.

3 LICENCES AND PERMITS

To date the following Licences and Permits have been issued for the project:

- Environmental Authorisation DEA Ref. no: 14/12/16/3/3/1/1876 approved by DEA on 25th of April 2018; and
- EMPr for Eskom Woestaleen 132kV Chikadee Powerline Project, Mpumalanga Province March 2018.

4 SCOPE, PURPOSE AND OBJECTIVE OF THE AUDIT

The scope of the audit is to assess compliance with the conditions of the Eskom Woestaleen 132kV Chikadee Powerline project EA and EMPr, situated approximately 22km south-east of the town of Middelburg within the Steve Tshwete Local Municipality. The purpose of the audit is to ensure compliance with the requirement of the EA and EMPr which requires monthly compliance monitoring during the construction period. The objective of the audit is to determine and monitor the level of compliance of the License Holder with the provisions of the requisite EA and EMPr.

5 AUDIT METHODOLOGY

5.1 PROCEDURE FOR THE AUDIT

A checklist was prepared based on the requirements of the EA and EMPr for the pre-construction, construction, operational and closure phases. Following the initial checklist preparation and documentation review, a site visit was undertaken on the 04th of April 2022 to determine compliance with the EA and EMPr. Compliance with the requirements was evaluated using the pre-determined scoring criteria as described in Section 5.2 and the results of the audit are described in Section 6 of this report.

Various documentation and records were required during the audit to confirm compliance with the requirements. Where possible, documentation and records were made available electronically for review prior to the site visit. The rest of the information required for verification of compliance was provided during the site inspection.

5.2 EVALUATION CRITERIA USED DURING THE AUDIT

The evaluation criteria for compliance scoring was based on a pre-determined scoring system. Each condition of the EA and EMPr was weighted equally in order to determine a compliance score. The scoring criteria used during the audit are as follows:

- **Full-Compliance**: Indicating that the condition was fully complied with and provided with a compliance score of 4.
- **Partial-Compliance**: Indicating that the condition has not been fully complied with and that additional measures are required to obtain full compliance. Partial compliances were provided with a compliance score of 2.
- **Non-Compliance**: Indicating that the condition has not been complied with and provided with a compliance score of 0.
- Not Applicable (N/A): Indicating that the condition is not currently applicable. Not applicable conditions were removed from the total number of conditions from which the compliance score was calculated during this reporting period.

6 **RESULTS OF THE AUDIT**

The results of the monthly ECO Audit are provided in this section of the report. The compliance summary, areas of good compliance, areas of concern and areas of non-compliance are provided in sections 8.1, 8.2 and 8.3 respectively.



6.1 COMPLIANCE SUMMARY

A total of 64 conditions were identified in the EA that were evaluated. 36 of these conditions were considered not applicable to the current phase of the project. Of the applicable conditions a total of 24 were noted to be fully compliant, and 4 were non-compliant.

A total of 235 commitments were identified in the EMPr that were evaluated. 117 of these conditions were considered not applicable to the current phase of the project. Of the applicable conditions a total of 88 commitments were noted to be fully compliant, 8 were partially compliant, and 22 were non-compliant.

The level of compliance for each commitment/condition was calculated according to the methodology described in section 5.2. Utilising this scoring system, a total straight compliance score of 67.57% was obtained for the EA, and 74.58% for the EMPr. A summary of compliance for the EA and EMPr are presented Figures 1 and 2 respectively below.

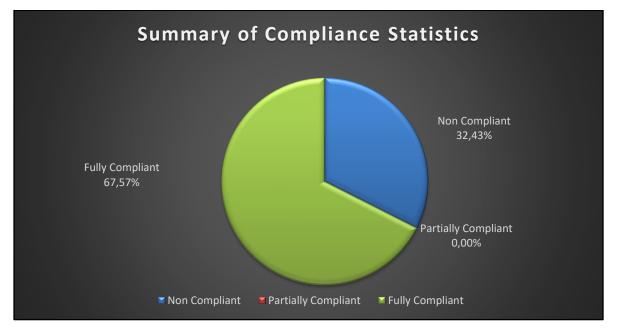


Figure 1: Summary of compliance with the requirements of the EA

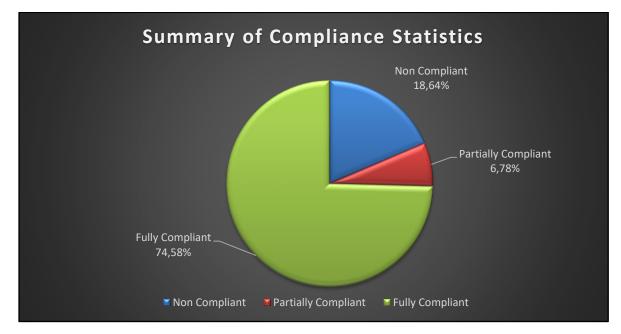


Figure 2: Summary of compliance with the requirements of the EMPr.



7 EXTENT OF ACTIVITIES

A site visit / inspection was undertaken by the ECO on the 04th of April 2022. This report represents the 1st ECO Audit Report for the project. At the time of the site visit, the subcontractor to the Eskom subsidary, Rejcon had commenced with bush clearing activities, and the the approved powerline route was pegged by the Eskom surveyor. The contractor has stated that no site camp has been established established for the 132kV LILO project as the construction team would travel to and from site with materials they will need. Only large materials have be kept on site. Security/guard post and chemical toilets are in place as part of the substation construction activities where a feeder bay is being constructed, these facilities are to be utilised for the powerline construction. Several contractor employees were available for the site hand over meeting and environmental inductions. The photographic record below depicts activities that were taking place during the monthly site inspections.



Figure 3: Bush clearing activity in the Eskom powerline servitude.



Figure 4: Security / guard post and chemical ablution facilities in substation site camp.





Figure 5: View of an area where bush clearing and stacking of plant material was done.



Figure 6: View of pegged area where bush clearing is to occur.

8 OBSERVATIONS

Below is the list of observations that were noted during the current reporting period:



8.1 GOOD COMPLIANCES

Table 1: List of Good Compliances recorded during this reporting period.

Location	Category	Responsible Party	Description	Photo Reference
Site camp	Site access	Contractor	Utilisation of previously existing access roads to site.	
Site camp	Sanitation	Contractor	Chemical toilets available for contractors on site.	

\wedge	$ \land $

Interview Data Control of the Contro	Location	sible	e Party	Description	Photo Referen	ce			
<u>s forteny</u> <u>Selecte</u> <u>Rejean</u> 07637419067 <u>Ja</u> <u>6 Lucion</u> <u>Miluk</u> <u>Rejean</u> 076329190 <u>C</u> <u>5 Rozsno</u> <u>Heste</u> <u>RJaco</u> 071/332829 <u>J</u> <u>6 Rozsno</u> <u>Rozen</u> <u>071/332829</u> <u>J</u>				Environmental inductions were given to all present by the Eskom environmental	2. IN ATTENDA Name 1. W.a. [ter 2. [face 6	NCE Surname Surname Surname Malluk MaySela uro Classification (Select the a	Business Unit/Area RET CON Region Region Region Region Region Poto	Effective Date Next Review D Contlact Number (preferable cell phone number)* Of2 4 2 2 34 76 Of9 2 2 4 1 451 Of9 2 2 4 1 451 Of9 2 2 4 1 451 Of9 2 5 1 94 Of9 2 5 2 5 8 3 Of1 2 8 0 75 17 Controlled Table Conflidential, Controlled D	October 2019 October 2019 October

8.2 AREAS OF CONCERN

Three (3) areas of concern were noted during this reporting period as summarised in Table 2.

Table 2: Areas of Concern noted during the reporting period.

C No.	Resp. Party	Description	Recommendation	Photo Reference
001	Contractor	No signage for proper site identification, travel restrictions and speed limit on site.		

\bigwedge					
C No.	Resp. Party	Description	Recommendation	Photo Reference	
002	Contractor	No waste bins on site; waste is collected and kept in a trailer compartment; with no appropriate markings and evidence of proper waste disposal.	Proper waste management practices must be followed at all times. All bins must be labelled as such. All waste must be disposed appropriately.		
003	Contractor	No emergency facilities on site such as first aid kits.	A first aid kit must be made available on site for emergencies.	N/A	

8.3 NON-COMPLIANCES

Three (3) non-compliances were recorded during the reporting period however it should be noted that the areas of concern raised in section 8.2 could potentially become non-compliances if the required corrective actions are not undertaken timeously.

Table 3: Non-Compliance noted during this reporting period.

NC No.	Resp. Party	Ref:#	Requirement	Description	Recommendation	Photo Reference
001	Applicant	EA 10 & 11	The holder of the authorisation must notify every registered interested and affected party, in writing and within 12 (twelve) calendar days of the date of this environmental authorisation of the decision to authorise the activity.	Proof of notification of authorisation and right to appeal sent to I&APs has not been provided to the ECO.	Proof of notification must be located, submitted to the ECO and a copy kept in the site environmental file.	N/A
002	Applicant	EA 12	The holder of the authorisation must publish a notice- informing interested and affected parties where the decision can be accessed; and drawing the attention of interested and affected parties where the decision can be accessed; and drawing the attention of interested of the decision can be accessed; and drawing the attention of	Proof that a notice was published informing I&APs of the EA decision was not made available to the ECO during this audit period.	Proof of notification must be located, submitted to the ECO and a copy kept in the site environmental file.	N/A



NC No.	Resp. Party	Ref:#	Requirement	Description	Recommendation	Photo Reference
			interested and affected parties to the fact that an appeal may be lodged against this decision in the newspaper(s) contemplated and used in terms of regulation 54(2)(c) and (d) and which newspaper was used for the placing of advertisements as part of the public participation process.			

8.4 STATUS OF NON-COMPLIANCES REPORTED DURING PREVIOUS REPORTING PERIODS

This section provides the status of the non-compliances that were raised during the previous ECO Audit. The applicant / contractor should provide action plans to update the status of these and non-submission will be regarded as open / uncorrected.

This report represents the 1st ECO report and as such there are no previous non-compliances noted.

8.5 NON-COMPLIANCE REPORTS

Non-Compliance Reports (NCRs) are issued to the project or relevant contractor if the recorded NCs are not addressed in the agreed timeframes. Zero (0) NCRs were issued during the current reporting period.

8.6 INCIDENTS

Zero (0) incidents were noted and reported to the ECO during the reporting period. It should be noted that all incidents should be reported to the ECO as soon as they occur.

8.7 COMPLAINTS

No complaints were reported to the ECO during the reporting period. It should be noted that all complaints should be recorded in the site complaints register and reported to the ECO as soon as they occur.

9 CONCLUSION

This is the first ECO environmental compliance audit for the project and focused on the requirements of the EA and EMPr. At the time of the compliance monitoring the main activities observed were environmental inductions, route pegging and vegetation clearing. Utilising this scoring system, a total compliance score of **67.57% was obtained for the EA, and 74.58% for the EMPr**. A summary of the number of observations noted is provided in Table 4 below.

Description	Number Raised during Reporting Period	Total Number Raised	Total Number Open/ Uncorrected
Areas of Good Compliance	3	3	N/A
Areas of Concern	3	3	N/A
Non-compliances	2	2	N/A
Non-compliance Reports	0	0	0
Incidents	0	0	0
Complaints	0	0	0

Table 4: Summary of observations noted during the reporting period.

10 ASSUMPTIONS AND LIMITATIONS

The following assumptions and limitations apply to this report:

- The information contained in this report was sourced from information and data supplied by third parties that is assumed to be complete, valid, and true.
- This report is based on information available at the time. The information, data, observations, and evidence this report is based on is beyond the control of EIMS and may change without notice. EIMS will not be liable for any loss or damage which may arise directly or indirectly as a result of such changes.
- This audit does not specifically assess compliance with any other permits, licences, or authorisations not included here that may be applicable to the operations.
- No representation or warranty, express or implied, is or will be made in relation to, and no responsibility or liability is or will be accepted by EIMS in relation to the accuracy of this report.
- Where reference is made to legislation or other statutory provisions in this report the original legislation or other statutory provisions will always take precedence and the reader is directed to revert to the original legislation.