



Our reference: SO-ENV-1349

29 November 2024

Your Ref: EA nr EMB/42/12/41

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Attention: Deputy Director: Environmental Impact Assessment

## **ENVIRONMENTAL AUTHORISATION EXTERNAL REPORT SUBMISSION**

The Environmental Authorisation applicable for Sasol South Africa Limited, Sasolburg Operations was externally audited during October 2023. The external audit was conducted to comply to the requirement contained in Chapter 5 part 3 of the Environmental Impact Assessment Regulations.

Sub regulation 34 (6) of the regulations also requires the holder of the environmental authorisation to notify all potential and registered interested and affected parties of the submission of the report and make the report available on request to anyone and on a publicly accessible website, where available.

The external audit reports will be available on <https://www.sasol.com/esg/environmental-audit-reports>.

Sasolburg Operations appointed WSP to conduct the external audits on all Environmental Authorisations and accompanying Environmental Management Programs.

Attached, please find the compliance audit report for the establishment of the Installation of two liquid cyanide storage tanks authorisation with reference EMB/42/12/41, dated November 2023.

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The Audit report noted sufficient mitigation of environmental impacts and level of compliance to the Environmental Authorisation and Environmental Management Program (EMPr) therefore no recommendations for improvement were made.

Further, in alignment with Chapter 5 Part 4 of the regulation, regulation 36 allows amendment to the impact management action of an EMPr to be affected immediately by the holder of the environmental authorisation and reflect it in the next environmental audit report. Annexure B contains the mitigations measures identified during the environmental impact assessment, for the operational phase of the project, defining the impact management outcome and impact management actions to enable compliance to this regulation.

No impact management outcome or impact management action requires amendment for the Installation of two liquid cyanide storage tanks.

Yours faithfully

Signed by: Johann Van Wyk  
Signed at: 2024-11-29 13:25:41 +02:00  
Reason: I approve

*Johann Van Wyk*

**Johann van Wyk**  
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Sasol South Africa Limited

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**CYANIDE STORAGE TANKS  
ENVIRONMENTAL AUTHORISATION  
(REFERENCE: EMB/42/12/41) AND  
ENVIRONMENTAL MANAGEMENT  
PROGRAM**

Compliance Audit Report: October 2023





Sasol South Africa Limited

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Sasol South Africa Limited

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ENVIRONMENTAL AUTHORISATION  
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Compliance Audit Report: October 2023

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# QUALITY CONTROL

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Issue/revision	First issue	Revision 1	Revision 2	Revision 3
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Date	November 2023	January 2024		
Prepared by	Tshepho Mamashela	Tshepho Mamashela		
Signature				
Checked by	Matilda Mbazo	Matilda Mbazo		
Signature				
Authorised by	Anri Scheepers	Anri Scheepers		
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# CONTENTS

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<b>1</b>	<b>INTRODUCTION</b>	<b>1</b>
1.1	TERMS OF REFERENCE	1
1.2	SASOL SASOLBURG - CYANIDE STORAGE TANKS OPERATION	2
1.3	PROJECT TEAM	2
<b>2</b>	<b>AUDIT SCOPE</b>	<b>3</b>
2.1	DISCLAIMER	5
2.2	ASSUMPTIONS	6
<b>3</b>	<b>AUDIT METHODOLOGY</b>	<b>6</b>
3.1	AUDIT CHECKLIST	6
3.2	SITE INSPECTION AND INTERVIEW	6
3.3	INFORMATION CONSIDERED	6
3.4	ASSESSMENT EVALUATION METHODOLOGY	7
<b>4</b>	<b>AUDIT FINDINGS</b>	<b>1</b>
4.1	ENVIRONMENTAL AUTHORISATION	1
4.2	ENVIRONMENTAL MANAGEMENT PROGRAMME	18
<b>5</b>	<b>PROGRESS AGAINST PREVIOUS AUDIT FINDINGS</b>	<b>1</b>
5.1	ENVIRONMENTAL AUTHORISATION (EMB/42/12/41)	1
<b>6</b>	<b>SUMMARY OF THE AUDIT FINDINGS</b>	<b>4</b>
6.1	SUMMARY OF THE TWO CYANIDE STORAGE TANK EA FINDINGS	4
6.2	SUMMARY OF EMPR FINDINGS	6
<b>7</b>	<b>RECOMMENDATIONS</b>	<b>8</b>

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<b>8</b>	<b>CONCLUSION</b>	<b>9</b>
<b>9</b>	<b>DECLARATIONS</b>	<b>10</b>
<b>9.1</b>	<b>INDEPENDENT AUDITOR DECLARATION</b>	<b>10</b>

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## ***TABLES***

Table 1-1 - Details of the Audit Team	2
Table 2-1 - Regulation 34 and Appendix 7 of the EIA Regulations (2014)	3
Table 3-1 - Level of Compliance	8
Table 4-1 - Audit Finding of the Environmental Authorisation (EMB42/12/41) dated 07 March 2013	1
Table 4-2 – Environmental Management Programme Audit Findings	18
Table 5-1 - Progress against previous findings	2
Table 6-1 - Summary of EA Compliance Audit Findings	4
Table 6-2 - Summary of EMPr Compliance Audit Findings	6

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## ***FIGURES***

Figure 5-1 - Percentage comparison of Environmental Authorisation compliance levels from 2018 to 2023	1
Figure 5-2 - Percentage comparison of EMPr compliance levels from 2018 to 2023	2
Figure 6-1 - Count contribution of findings made to the EA conditions per section	5
Figure 6-2 - Overall count findings on compliance to the EA commitments	5
Figure 6-3 - Count contribution of findings made to the EMPr conditions per section	6
Figure 6-4 - Overall count findings on compliance to the EMPr commitments	7

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## ***APPENDICES***

APPENDIX A
AUDIT TEAM CV



# 1 INTRODUCTION

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## 1.1 TERMS OF REFERENCE

WSP Group Africa (Pty) Ltd (WSP), as an independent environmental consultant, was appointed by Sasol South Africa Ltd (Sasol) to undertake an external environmental authorisation (EA) compliance audit of the Cyanide Tanks against the commitments contained in the EA (reference number EMB/42/12/41) and Environmental Management Programme (EMPr), as well as to compile an audit report according to the requirements of the National Environmental Management Act (No. 107 of 1998), as amended (NEMA).

The details of the EA (initial Record of Decision (RoD)) and the EMPr audited for compliance of the Cyanide Tanks, Sasol One Site are provided below:

EA for the installation of two new liquid cyanide storage tanks at Sasol Polymers in Sasolburg  
Reference Number: [EMB/42/12/41], dated 07 March 2013 and issued to Mining Reagents, Cyanide and Sasol Polymers by the Department of Economic Development, Tourism and Environmental Affairs (DETEA), for the construction and installation of two new liquid cyanide storage tanks at Sasol Midland site, in Sasolburg. The tanks have a storage capacity of 450m<sup>3</sup>, increasing the liquid cyanide capacity on site by approximately 25% to supply growing demands of suppliers.

EMPr for the proposed installation of two new liquid cyanide storage tanks at Sasol Polymers, Mining Reagents in Sasolburg Free State, dated November 2012.

Sasol South Africa (Pty) Ltd applied to amend the EA (Reference number: EMB/42/12/41) as per Regulation 30(2) of GNR 326, of the Environmental Impact Assessment (EIA) Regulations of 2014 (as amended) to:

Change the applicant details on the EA.

- Owner of the EA.
- Contact details and address.

Change the person to whom the EA was issued.

- Contact person/Management.

Location.

- Farm portion.

Sasol applied to the Department of Economic Development, Tourism and Environmental Affairs DETEA in July 2019 to amend the EA to remove Activity 1.18 under management of the activity and Specific Conditions 1.34, 1.35 & 1.42. Furthermore, Activity 1.7 under management of the activity was amended to:

The impact and mitigation in the current valid Environmental Management Plan must be adhered to.

This external audit was undertaken in accordance with Regulation 34 of the Environmental Impact Assessment (EIA) Regulations, 2014 published in terms of the National Environmental Management

Act 107 of 1998 (NEMA). This audit and report consider the period November 2019 to November 2023.

## 1.2 SASOL SASOLBURG - CYANIDE STORAGE TANKS OPERATION

### 1.3 PROJECT TEAM

Tshepho Mamashela and Matilda Mbazo completed a site inspection of the two cyanide storage tanks against the EA conditions (reference: EMB/42/12/41) at the Sasol Midlands on **23 October 2023**.

The draft external audit report was compiled in **October 2023** and finalised in **November 2023**. This report will be submitted to the DESTEA by Sasol in 2024.

Quality assurance is a critically important part of WSP's consulting services which aim to ensure both delivery of high-quality work and provide legal and commercial protection to the company. Quality assurance of this audit report was undertaken by Anri Scheepers.

The project team is summarised in **Table 1-1** and Curricula Vitae are included as **Appendix A**.

**Table 1-1 - Details of the Audit Team**

Audit Team	Role	Experience
Tshepho Mamashela	Auditor	BSc Hons Environmental Management
		6 Years' Experience
		Tshepho Mamashela is an Environmental Consultant currently working for WSP Group Africa at the Johannesburg, Waterfall office in the Environmental Planning and Advisory Department. She is an Environmental Management professional with over 5 years' experience in the private and public sector. Tshepho has experience in environmental management field with expertise in environmental impact assessment, environmental auditing, environmental management plans. She is registered with the Environmental Assessment Practitioners Association of South Africa (EAPASA: 2019/1846) and the South African Council for Natural Scientific Professions (SACNASP: 120878).
Matilda Mbazo	Auditor	BSc (Hons) Geography
		Matilda graduated from the University of Wits with a BSc honours in Geography in 2023 and is currently completing MSc Environmental Science. She has over a year's experience in environmental management and currently provides technical and strategic input on a diverse range project in environmental management and environmental compliance audits. She is a registered Candidate Environmental Assessment Practitioner (EAP) with EAPASA (2023/6394).
Anri Scheepers	Review	BA (Hons) Geography
		15 Years' Experience
		Anri graduated from the University of Johannesburg with a BA honours in Geography in 2007. Anri has been involved in numerous mining and industrial projects in South Africa, and has experience with diamond, gold, platinum, chrome, coal and manganese mining and processing operations. Anri is qualified as a Lead Auditor and has undertaken legal compliance auditing, including environmental authorisations, waste management licences, water use licences and EMPs. In addition, she has undertaken general site assessments to determine compliance against local, provincial and national environmental legislation. Anri's roles and responsibilities include the management of Environmental Authorisation and Waste

Audit Team	Role	Experience
		Management Licence processes (Basic Assessments and Scoping and Environmental Impact Assessment Reporting), Water Use Licence Application processes and auditing. She is registered with the Environmental Assessment Practitioners Association of South Africa (EAPASA: 2019/1528).

## 2 AUDIT SCOPE

WSP was appointed by Sasol to conduct the environmental compliance audit for the two cyanide storage tanks. This report provides an overview of the level of compliance with the conditions contained in the EA and EMPr. The site audit was undertaken on **23 October 2023** at the Sasol Midland, Sasolburg Plant.

The objective of the audit was to:

- Assess the level of compliance with the commitments of the EA (reference number EMB/42/12/41) for the storage tanks;
- Assess the level of compliance with the commitments of the EMPr that was submitted as part of the EIA report for the installation of two cyanide storage tanks;
- Assess the extent to which the avoidance, management and mitigation measures provided for in the EMPr for the operation of the cyanide storage tanks were implemented;
- Identify and assess any new impacts and risks that result from undertaking the activity;
- Critically evaluate the effectiveness of the EMPr;
- Identify shortcomings in the EMPr; and
- Identify the need for any changes to the avoidance, management and mitigation measures provided for in the EMPr.

The EIA Regulations of 2014 (as amended) are considered applicable to the cyanide storage tank operations. Regulation 34, of the regulations, provides for the auditing of an EA, EMPr and closure plan. Furthermore, Appendix 7 of the EIA Regulations of 2014 (as amended) outline the required audit report content. The regulations refer to a minimum frequency of five years. This audit is designed to meet the requirements of Regulation 34 of the Regulations of 2014 (as amended). Table 2-1 indicates where the requirements of Section 34 and Appendix 7 are met within this audit report.

**Table 2-1 - Regulation 34 and Appendix 7 of the EIA Regulations (2014)**

Sub-Section	Requirement	Report Section Reference
34 (2)a	The environmental audit report must be prepared by an independent person with the relevant environmental auditing expertise.	Sub-section 1.3 CVs provided in <b>Appendix A</b>
34(2)b	The environmental audit report must provide verifiable findings, in a structured and systematic manner, on:  (i) the level of performance against and compliance of an organisation or project with the provisions of the requisite environmental authorisation or EMPr and, where applicable, the closure plan; and	Audit checklist tables provided in <b>Section 4</b>

Sub-Section	Requirement	Report Section Reference
	(ii) 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;	
Appendix 7, Section 3 of EIA Regulations		
3(a)	The environmental audit report must determine  (a) the ability of 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 on an ongoing basis and to sufficiently provide for the avoidance, management and mitigation of environmental impacts associated with the closure of the facility; and	Section 4
3(b)	The environmental audit report must determine the level of compliance with the provisions of environmental authorisation, EMPr and where applicable, the closure plan.	Section 4
4(a)	Where the findings of the environmental audit report indicate:  (a) insufficient mitigation of environmental impacts associated with the undertaking of the activity  (b) insufficient levels of compliance with the environmental authorisation or EMPr  the holder must, when submitting the environmental audit report to the competent authority submit recommendations to amend the EMPr or closure plan in order to rectify the shortcomings identified in the environmental audit report	Section 4
3(1)(a)	Details of-  (i) the independent person who prepared the environmental audit report; and  (ii) the expertise of independent person that compiled the environmental audit report.	Sub-section 1.3 CVs provided in <b>Appendix A</b>
3(1)(b)	A declaration that the independent auditor is independent in a form as may be specified by the competent authority.	Section 9
3(1)(c)	An indication of the scope of, and the purpose for which, the environmental audit report was prepared.	Sub-section 1.1 and Section 2
3(1)(D)	A description of the methodology adopted in preparing the environmental audit report.	Section 3
3(1)(E)	An indication of the ability of the EMPr, and where applicable, the closure plan to-  (i) sufficiently provide for the avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity on an on-going basis;  (ii) sufficiently provide for the avoidance, management and mitigation of environmental impacts associated with the closure of the facility; and  (iii) ensure compliance with the provisions of environmental authorisation, EMPr, and where applicable, the closure plan.	Section 4

Sub-Section	Requirement	Report Section Reference
3(1)(f)	A description of any assumptions made, and any uncertainties or gaps in knowledge.	Sub-section 2.2
3(1)(g)	A description of any consultation process that was undertaken during the course of carrying out the environmental audit report.	Sub-section 3.2
3(1)(j)	A summary and copies of any comments that were received during any consultation process.	Comments received during the consultation process were included as comments in the audit checklist tables in Section 4.
3(1)(k)	Any other information requested by the competent authority.	None requested

## 2.1 DISCLAIMER

This Report has been prepared by WSP on behalf and at the request of Sasol in terms of Regulation 34 of the EIA Regulations.

Unless otherwise agreed by us in writing, we do not accept responsibility or legal liability to any person other than the Client for the contents of, or any omissions from, this Report.

To prepare this Report, we have reviewed only the documents and information provided to us by the Client or any third parties directed to provide information and documents to us by the Client. We have not reviewed any other documents in relation to this Report and except where otherwise indicated in the Report.

The findings, recommendations and conclusions given in this report are based on the author's best scientific and professional knowledge, as well as available information. This report is based on survey and assessment techniques which are limited by time and budgetary constraints relevant to the type and level of investigation undertaken; WSP and its staff reserve the right to modify aspects of the report including the recommendations if and when new information may become available from on-going research or further work in this field or pertaining to this investigation.

Although WSP exercises due care and diligence in rendering services and preparing documents, WSP accepts no liability, and Sasol, by receiving this document, indemnifies WSP and its directors, managers, agents and employees against all actions, claims, demands, losses, liabilities, costs, damages and expenses arising from or in connection with the services rendered, directly or indirectly by the use of the information contained in this document.

This report must not be altered or added to without the prior written consent of the author. This also refers to electronic copies of this report which are supplied for the purposes of inclusion as part of other reports. Similarly, any recommendations, statements or conclusions drawn from or based on this report must make reference to this report. If this report is used as part of a main report, the report in its entirety must be included as an appendix or separate section to the main report.

## 2.2 ASSUMPTIONS

WSP noted the following assumptions and limitations during the audit:

- The information provided by Sasol Ltd is up to date and accurately represents the two cyanide storage tanks;
  - WSP viewed as much of the operational area as possible given the timeframe and access limitations; and
  - Findings made within the previous external and internal audit reports are correct.
- Site photographs were not provided in the audit report due to the onsite Sasol Sasolburg policy that disallows any photographs being taken on site. Where conditions were deemed compliant, and the evidence cited was onsite observations and verbal confirmation, these findings were observed by the Auditors.

## 3 AUDIT METHODOLOGY

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The International Organisation of Standardisation (ISO) 14010, ISO 14011 and ISO 14012 guideline documents were utilised as a template during the compliance audit process. This methodology ensures that the compliance audit was conducted in a systematic and independent manner that was documented and objectively evaluated to determine compliance to the EA/EMPr commitments.

The audit process comprised the following:

- Confirmation of the audit checklist;
- Site inspection (**23 October 2023**);
- Review of documentation relevant to the commitments of the EA and EMPr (e.g. records, permits/certificates/maintenance logs/monitoring results/previous reports, incident registers, etc.); and
- Compilation of an audit report.

### 3.1 AUDIT CHECKLIST

WSP compiled an audit checklist of the EA (reference number EMB/42/12/41) and the approved EMPr commitments developed with the EIA report, which was used as an auditing tool. Refer to **Section 4** for the audit checklist.

### 3.2 SITE INSPECTION AND INTERVIEW

An onsite inspection was conducted on **23 October 2023**, where findings and observations were recorded and are summarised in **Section 4**. Key personnel interviewed included:

- Suyen Van Zyl (Environmental Manager); and
- Collin Marais (Area Manager).

### 3.3 INFORMATION CONSIDERED

Information related to the following categorises was reviewed, where required, and used to evaluate compliance:

- Environmental Authorisation EMB/42/12/41, issued to Sasol South Africa Ltd;



Environmental Management Plan for the proposed two new liquid cyanide storage tanks at Sasol Polymers, Mining Reagents in Sasolburg Free State, dated November 2012;  
 Application for EA amendments: The installation of two new liquid cyanide storage tanks at Sasol Polymers, (Ref Number: EMB/42/12/41);  
 Sasol Water monitoring reports;  
 Air Emissions Licence (AEL) (reference number: FDDM-MET-2013-24-R1);  
 Sasolburg and Ekandustria Operations Annual Emission Report (August 2022) to ensure compliance with the AEL conditions;  
 Water Use Licence (WUL) (reference number: 14/C22K/FG/4958);  
 Groundwater Quality Monitoring Report: WUL Compliance, Sasolburg Operations: February 2022 (WSP, May 2022);  
 Integrated Water and Waste Management Plan (IWWMP) Rev 1 – report number: SO-env-1075 (Sasolburg Operations, December 2022) that includes the:

- Stormwater Management Plan (SWMP, 2022);
- Rehabilitation Strategy and Implementation Plan (RSIP);
- Water Conservation and Demand Management (WC/DM);
- Malfunctions register;
- Water management;
- Groundwater management;
- Waste management;
- Contaminated Water and Wastewater Management;
- Effluent Management; and
- Land management.

Storm Water management Plan Sasolburg Operations (File no: 27/2/2C222/6/4) (Sasolburg Operations, December 2021);  
 Sasolburg and Ekandustria Operations ISO 45001:2018, ISO 9001:2015 and ISO 14001:2015 Recertification Audit Report (DQS Management Systems Solutions, November 2021);  
 Procedure for the management of waste on the Sasolburg Operations' Sites (document number: SSP-S-014) (Sasolburg Operations, January 2020)  
 The reporting, investigation and recording of environmental incidents (document number: SSP-S-013) (Sasolburg Operations, July 2019);  
 Noise survey and impact assessment for hearing conservation purposes, Sasolburg Operations Wax, Solvents and Chemicals, Cresol, S4300 (Sasol Approved Inspection Authority for Occupational Hygiene, March 2021);  
 Waste Management and Disposal Registers;  
 Environmental Standards;  
 Health and Safety Standards and Audits;  
 Other related approvals documents.

### 3.4 ASSESSMENT EVALUATION METHODOLOGY

The consolidated report contains all commitments, which were formulated as part of the original and amended EA and EMP. Each commitment contained in the audit checklist was assessed by reviewing site documentation, interviewing employees and undertaking a site inspection. The application of the EMP was assessed and the level of compliance rated (compliance categories

contained in **Table 3-1**). The compliance of each of the operations listed in **Section 1.2** was assessed.

**Table 3-1 - Level of Compliance**

Compliance Level	Definition
<b>Compliant (C)</b>	When an activity or commitment has been implemented, completed, is on-schedule or is maintained on an ongoing basis. Condition/mitigation measure/commitment has been achieved with evidence provided in the form of a document or site verification.
<b>Non-compliant (NC)</b>	When an activity or commitment has not been complied with in its entirety/certain aspects thereof have not been addressed. When a commitment has not been undertaken, not been completed according to plan, or where any unlawful actions have been identified.
<b>Not applicable (N/A)</b>	The condition, commitment and/or mitigation measure is not applicable or is to be revised in accordance with current practice. A “Not Applicable” finding is also noted in event where such condition, commitment and/or mitigation measure is not yet relevant but is still relevant for future activities.



## 4 AUDIT FINDINGS

### 4.1 ENVIRONMENTAL AUTHORISATION

Table 4-1 provides a compliance rating of the EA commitments that were used as the audit standard.

**Table 4-1 - Audit Finding of the Environmental Authorisation (EMB42/12/41) dated 07 March 2013**

EA Ref	Condition	Compliance Status	Findings	Recommendation, Timeframe & Responsible Person
<b>Conditions</b>				
<b>1. Scope of authorisation</b>				
1.1	The proposed construction of the two new liquid cyanide storage tanks at the <del>Sasol polymer, mining reagents</del> [Sasol South Africa (Pty) Ltd] in Sasolburg is approved.	N/A	This condition falls outside the audit period and therefore was not audited.	None.
1.2	Authorisation of the activity is subject to the conditions contained in this document. These conditions form part of the environmental authorisation and are binding on the holder of the authorisation.	N/A	The Holder of the Authorisation and External Auditor noted this condition.	None.
1.3	The holder of the authorisation shall be responsible for ensuring compliance with the conditions by any person acting on his or her behalf, including but not limited to, an agent, sub-contractor, employee or person rendering a service to the holder of the authorisation.	C	<p>Sasol as the holder of the authorisation acknowledges that responsibility for ensuring compliance with the EA and provides environmental management awareness training to staff, service providers, contractors and visitors to ensure that everyone employed or acting on their behalf is aware that they need to comply with the EA and the EMP conditions. Induction training was provided to all staff, service providers, contractors and visitors.</p> <p><i>Evidence:</i></p> <p>Verbal Confirmation Staff and visitors training material and registers</p>	None.

EA Ref	Condition	Compliance Status	Findings	Recommendation, Timeframe & Responsible Person
			Onsite Observation of staff and visitors training.	
1.4	The authorised activity may only be carried out at Portion 16 of Erf 8043 of Farm Driefontein, [Farm Driefontein No.2 and Zandfontein No.259] Sasolburg as indicated above at the exact site co-ordinates.	C	The authorised activity is carried out at the Sasol Midlands operations, Farm Driefontein No.2 and Zandfontein No.259 as within the EA location details.  <i>Evidence:</i>  EA location details (reference number EMS/1(e)/08/32) Google Earth Onsite Observation	None.
1.5	Any changes to, or deviations from, the project description set out in this authorisation must be submitted to the Department within thirty (30) days and approved, in writing, by the Department before such changes or deviations may be affected.	N/A	Noted. No changes or deviations from the project descriptions were noted within the audit period.	None.
1.6	This environmental authorisation is valid for a period of 3 (three) years from the date of issue. If commencement of the activity does not occur within that period, then authorisation lapses and a new application for an Environmental Authorisation (EA) must be made.	N/A	This condition falls outside the audit period and therefore was not audited. The EA was issued in 2013 and the activity commenced within specified time. The facility was operational.	None.
1.7	The authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.	N/A	Noted. This audit did not cover a legal review of compliance of the SDU and Sasol Midland Operations with all statutory requirements and whether they were in possession of all the necessary permits, authorisations or any other official documents.	None
1.8	<del>Vegetation clearing must be kept to an absolute minimum. Mitigation measures must be implemented to reduce the risk of erosion and the invasion of alien species.</del>	N/A	This condition has been removed from the EA through the amendment process.	None.

EA Ref	Condition	Compliance Status	Findings	Recommendation, Timeframe & Responsible Person
1.9	Construction must include appropriate design measures that allow surface and subsurface movement of water along drainage lines so as not to impede natural surface and subsurface flows. Drainage measures must promote the dissipation of stormwater run-off.	N/A	This condition outside the audit period and therefore was not audited.	None.
1.10	An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduce, recycling, re-use and disposal where appropriate. Any solid waste shall be disposed of at a landfill licensed in term of section 20(b) of the National Environmental Management Waste Conservation Act of 73 of 1979 that are still operational.	C	<p>Sasolburg Operations have the waste management procedure which is adhered to. Competent service providers were appointed to remove the waste from site. Safe disposal certificates are kept onsite.</p> <p><i>Evidence:</i></p> <p>IWWMP' - Integrated Water and Waste Management Plan (IWWMP), Storm Water Management Plan (SWMP), Rehabilitation Strategy and Implementation Plan (RSIP), Water Conservation and Demand Management (WC/DM) Ref: SO-env-1075 DWA file number 27/2/2/C222/6/4. Verbal Confirmation Waste Manifests and Certificates</p>	None.
1.11	The holder of an environmental authorisation has the responsibility to notify the competent authority within 30 days of any alienation, transfer and change of ownership rights in the property on which the activity is to take place.	C	<p>The Department was notified about the change of the contact person; this was not a new owner.</p> <p><i>Evidence:</i></p> <p>Amendment of EA – dated 29/03/2018 Amendment of EA – dated 22/11/2019</p>	None.
<b>Appeal of authorisation</b>				
1.12	The holder of the authorisation must notify every registered interested and affected party, in writing and within 12 (twelve) calendar days of the date	N/A	This condition outside the audit period and therefore was not audited.	None.

EA Ref	Condition	Compliance Status	Findings	Recommendation, Timeframe & Responsible Person
	of this environmental authorisation of its decision to authorise the activity.			
1.13	<p>The notification referred must-</p> <p>1.13.1 specify the date on which the authorisation was issued;</p> <p>1.13.2 inform the interested and affected party of the appeal procedure provided for in Chapter 7 of the regulations;</p> <p>1.13.3 advise the interested and affected party that a copy of the authorisation will be furnished on request; and</p> <p>1.13.3 give reasons for the decision.</p>	N/A	This condition outside the audit period and therefore was not audited.	None.
1.14	<p>The holder of the authorisation must publish a notice-</p> <p>1.14.1 informing interested and affected parties of the decision;</p> <p>1.14.2 informing the interested and affected parties where the decision can be accessed; and</p> <p>1.14.3 drawing the attention of interested and affected parties to the act that an appeal may be lodged against this decision in the newspaper contemplate and used in terms of regulation 54(2)(c) and (d) and which newspaper used for the placing of advertisements as part of the public participation process.</p>	N/A	This condition outside the audit period and therefore was not audited.	None.

EA Ref	Condition	Compliance Status	Findings	Recommendation, Timeframe & Responsible Person
1.15	<p>A person affected by the decision who wishes to appeal against the decision must lodge a notice of intention to appeal with the MEC of the Department of Economic Development, Tourism and Environmental Affairs within 20 days after being notified of the decision. The notice of intent to appeal should be directed to:</p> <p>MEC (DETEA)</p> <p>Private Bag X 20801</p> <p>Bloemfontein</p> <p>9300</p>	N/A	This condition outside the audit period and therefore was not audited.	None.
<b>Management of the activity</b>				
1.16	The Environmental Management Programme (EMPr) for the construction submitted as part of the Application for EA is hereby approved.	N/A	The Holder of the Authorisation and External Auditor noted this condition.	None.
1.17	<p><del>The recommendations and mitigations measures in the Basic Assessment Report (BAR) dated September 2012 must be adhered to and incorporated as part of the EMPr where applicable.</del></p> <p>The impact and mitigation in the current valid Environmental Management Plant must be adhered to.</p>	C	<p>The mitigation measures in EMPr have been implemented.</p> <p><i>Evidence:</i></p> <p>External Audit of EA/RODS/EMPR: Installation of two liquid cyanide storage tanks (November 2018).</p>	None.
1.18	<p><del>Any updates or amendments to the EMPr must be submitted to the Department of Economic Development, Tourism and Environmental Affairs and must be decided upon within a period of 30 days of the submission.</del></p>	N/A	This condition has been removed from the EA through the amendment process.	None.

EA Ref	Condition	Compliance Status	Findings	Recommendation, Timeframe & Responsible Person
1.19	All correspondence with regards to this application must be forwarded for attention to the Director: Environmental Quality Management within the Department.	C	<p>This is implemented when correspondence is sent to the Department.</p> <p><i>Evidence:</i></p> <p>Amendment of EA – dated 29/03/2018  Amendment of EA – dated 22/11/2019  Amendment of EA – dated 06/07/2023  Submission of the External Audit of EA/RODS/EMPR: Installation of two liquid cyanide storage tanks (November 2018) to the department.</p>	This condition must be amended to ensure that correspondence is made to the current relevant directorate which is Environmental Impact Management.
<b>Monitoring</b>				
1.20	The applicant must appoint a suitably experienced Environmental Control Officer (ECO) for the construction, operational and decommissioning phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this authorisation are implemented and to ensure compliance with the provisions of the EMPR.	C	<p>Collin Marais is the appointed operational Phase ECO for the cyanide storage tank operation.</p> <p><i>Evidence:</i></p> <p>Appointment letter.</p>	None.
1.21	The ECO shall be appointed before commencement of any land clearing or construction activities.	N/A	This condition outside the audit period and therefore was not audited.	None.
1.22	The ECO shall keep record of all activities on site, problems identified, transgressions noted and a task schedule of task undertaken by the ECO.	C	<p>Records relating to the operation of the two cyanide tanks are kept on site. Sasol uses the SAPS incident register to record any environmental complaint, transgression and how the issues were resolved.</p> <p><i>Evidence:</i></p> <p>Verbal Confirmation  Onsite verification  Incident register document</p>	None.

EA Ref	Condition	Compliance Status	Findings	Recommendation, Timeframe & Responsible Person
1.23	The ECO shall remain employed until all rehabilitation measures, as required for implementation due to construction damages, are completed and the site is ready for operation.	C	Collin Marais is the appointed operational Phase ECO for the cyanide storage tank operation.  <i>Evidence:</i> ECO appointment letter.	None.
1.24	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.	C	Previous internal and external monitoring records are kept on site and are readily available for any authority who requests them.  <i>Evidence:</i> Verbal Confirmation External Audit of EA/RODS/EMPR: Installation of two liquid cyanide storage tanks (November 2018) to the department. Onsite verification of the SAPS system.	None.
<b>Recording and reporting to the Department</b>				
1.25	The holder of the authorisation must submit an environmental audit report to the Department within fourteen (14) days upon completion of the construction and rehabilitation activities. The environmental audit report must:  1.25.1 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 the requirements of the EMPr.  1.25.2 Records relating to the monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.	N/A	This condition outside the audit period and therefore was not audited.	None.

EA Ref	Condition	Compliance Status	Findings	Recommendation, Timeframe & Responsible Person
<b>Commencement of the activity</b>				
1.26	The authorised activity shall not commence within twenty (20) days of the date of signature of the authorisation.	N/A	This condition outside the audit period and therefore was not audited.	None.
1.27	Should you be notified by the Minister or MEC of a suspension of the authorisation pending appeal procedures, you shall not commence with the activity unless authorised by the Minister or MEC in writing.	N/A	This condition is not auditable. The condition is noted by Sasol.	None.
<b>Notification to authority</b>				
1.28	Fourteen (14) days prior written notice must be given to the Department that the activity will commence. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence. This notification period may coincide with the period contemplated in 1.26.	N/A	This condition outside the audit period and therefore was not audited.	None.
<b>Operation of the activity</b>				
1.29	Fourteen days written notices must be given to the Department that the operation phase will commence.	N/A	This condition outside the audit period and therefore was not audited.	None.
1.30	The applicant must compile an operational EMPr for the operational phase of the activity or alternatively of an operational EMPr exists for the area, it must be amended to include the proposed activity as applied for authorisation.	C	<p>The EMPr submitted for the EA application has an operation phase section that has been implemented at the SDU operation.</p> <p><i>Evidence:</i></p> <p>External Audit of EA/RODS/EMPR: Installation of two liquid cyanide storage tanks (November 2018).</p>	None.
<b>Site closure and decommissioning</b>				



EA Ref	Condition	Compliance Status	Findings	Recommendation, Timeframe & Responsible Person
1.31	Should the activity ever cease or become redundant, the applicant shall undertake the required action as prescribed by the legislation at the time and comply with all relevant legal requirements administered by any relevant and competent authority at that time.	N/A	Noted. This condition outside the audit period and therefore was not audited.	None.
1.32	Before decommissioning of the development becomes evident a rehabilitation plan must be compiled and should be approved by this Department.	N/A	Noted. This condition outside the audit period and therefore was not audited.	None.
<b>Specific Conditions</b>				
1.33	Construction footprint must be kept to a minimum by construction boundaries and demarcated areas thus reducing the are infringement of the development on the natural habitat.	N/A	This condition outside the audit period and therefore was not audited. The Auditor confirmed during the site audit that the site was located in the Sasol One Site and is already disturbed.	None.
1.34	<del>Mitigation measures must be implemented to reduce the risk of erosion and the invasion of alien species.</del>	N/A	This condition has been removed from the EA through the amendment process.	None.
1.35	<del>All rubble must be disposed off at the nearest licensed landfill facility.</del>	N/A	This condition has been removed from the EA through the amendment process.	None.
1.36	No stockpiles or construction materials must be stored or placed within any drainage lines on site.	N/A	This condition outside the audit period and therefore was not audited.	None.
1.36	All chemicals used during the during development, including fuel for the construction vehicles must be stored in a proper storeroom or protected area to prevent pollution. Hazardous waste must be disposed of at Holfontein Landfill facility.	N/A	This condition is outside the audit period and therefore was not audited.	None.
1.37	Dust control measure such as water spraying must be used regularly. The tanks must be atmospheric and free venting tanks.	N/A	This condition outside the audit period and therefore was not audited.	None.

EA Ref	Condition	Compliance Status	Findings	Recommendation, Timeframe & Responsible Person
1.38	The storage tanks must be in a fully bunded area to contain any spill or leak that might occur, and the tanks must be constructed from carbon steel. All water accumulation in the bunded area must be tested for sodium cyanide content before they can be re-used in the plant [is collected in the effluent dams on the cyanide facility and reworked within the plant].	C	The cyanide storage tanks are located within a concrete bund with a clean and contaminated stormwater management system and an emergency response control plan in place at the Sasol Midland site. All water accumulation in the bunded area is collected in the effluent dams on the cyanide facility and reworked within the plant.  <i>Evidence:</i>  Verbal Confirmation Onsite observation	None.
1.40	The proposed development activity during the operational phase must entail nothing significant that can cause air pollution. Vehicular movement over the site must be at the low speeds in order to keep dust generation to a minimum during construction. Care must be taken to keep the level of dust as low as possible.	N/A	This condition outside the audit period and therefore was not audited.	None.
1.41	Noise must be at relatively low levels. Construction activities must be limited to the hours between 08H00-17H00. The only noise other than the ambient noise in the area must be that of construction equipment and vehicles during construction.	N/A	This condition outside the audit period and therefore was not audited.	None.
1.42	<del>Health and safety in term of the site as a Major Hazard Installation (MHI) – Sasol Mining Reagents [Sasol South Africa (Pty) Ltd] must be responsible for the health and safety of the workers as well the public in or in the vicinity of the site.</del>	N/A	This condition has been removed from the EA through the amendment process.	None.
<b>General</b>				
1.43	A copy of this authorisation must be kept at the property where the activity will be carried on. The	C	A copy of the EA and EMPr were available at the office of the manager of the Midlands Operation. Staff	None.

EA Ref	Condition	Compliance Status	Findings	Recommendation, Timeframe & Responsible Person
	authorisation must be produced to any authorised official of the Department who requests to see it and must be made available for inspection by any employees or agent of the holder the authorisation who works or undertakes works at the property.		members and contractors were made aware of the conditions of the EA and EMPr during induction training and toolbox talks. Signed induction and training were available and maintained by Sasol.	
1.44	Where any of the applicant's contact details change, including the name of the responsible person, the physical or postal address and/or telephonic details, the applicant must notify the Department as soon as the new details becomes known to the applicant.	C	<p>The department was notified of changes in the applicant details through the EA amendment process.</p> <p><i>Evidence:</i></p> <p>Amendment of EA – dated 29/03/2018 Amendment of EA – dated 22/11/2019 Amendment of EA – dated 06/07/2023</p>	None.
1.45	The applicant is responsible for compliance with the provision of Duty-of-Care and remediation of damage contained in Section 28 and Emergency Incidents contained in Section 30 of the National Environmental Management Act (Act no 107) of 1998.	N/A	The applicant has noted this condition.	None.
1.46	The holder of the authorisation must notify the Department, in writing and within 48 (forty-eight) hours, if any conditions of this authorisation cannot be or is not adhered to. Any notification in terms of this condition must be accompanied by reason for the non-compliance. Non-compliance with a condition of this authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act. 1998, and the regulations.	N/A	Noted. This report will serve to notify the Department of any non-compliances to this EA.	None.
1.47	National government, provincial government, local authorities or committees appointed in term of the conditions of this authorisation or any other public authority shall not be held responsible for	N/A	The applicant has noted this condition.	None.

EA Ref	Condition	Compliance Status	Findings	Recommendation, Timeframe & Responsible Person
	that damages or losses suffered by the applicant or his successor in the title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the applicant with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.			
<b>Reason for decision</b>				
	<p>The application from the applicant is for GNR 544 activities. The following activity is being applied for:</p> <p>The expansion of facilities for storage of a dangerous good where the capacity of such storage facility will be expanded by 80 cubic meters or more"</p>	N/A	The applicant has noted this condition.	None.
	For the proposed construction of two new liquid sodium cyanide tanks at Sasol Midland site in Sasolburg. The tanks will have a storage capacity of 450m <sup>3</sup> : these proposed new tanks will increase the current liquid sodium cyanide capacity on site by approximately 25% to supply growing demands of suppliers. and 'within the Metsimaholo Local Municipality in Sasolburg Free State described on page 2 of the Draft Basic Assessment Report dated September 2012.	N/A	The applicant has noted this condition.	None.
	The applicant appointed Mills and Otten Environmental Consultants to undertake BAR process for the activities as required by Regulation 16 of the EIA Regulation 2010.	N/A	The applicant has noted this condition.	None.

EA Ref	Condition	Compliance Status	Findings	Recommendation, Timeframe & Responsible Person
	<p>In reaching its decision, the Department took, <i>inter alia</i>, the following into consideration -</p> <ul style="list-style-type: none"> <li>a) The information contained in the Basic Assessment Report (BAR) dated 13 November 2012 compiled by Mills &amp; Otten Environmental Consultants.</li> <li>b) The comments received from the Directorate: Ward 10 Councillor. Interested and affected Parties as inducted in the BAR dated September 2012.</li> <li>c) Mitigation measures as proposed in the BAR dated 13 November 2012 and the EMP.</li> <li>d) The objectives and requirements of relevant legislation, policies and guidelines and section 2 of the National Environmental Management Act, 1998 (Act No. 107 of 1998).</li> <li>e) The findings of the site visit undertaken by Ms. N. Mahase from the Department of Economic Development, Tourism and Environmental Affairs.</li> </ul>	N/A	The applicant has noted this condition.	None.
<b>Key factors considered in making the decision</b>				
	<p>All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below:</p> <ul style="list-style-type: none"> <li>a) Details provided of the qualification of the EAP indicated that the EAP is</li> </ul>	N/A	The applicant has noted this condition.	None.

EA Ref	Condition	Compliance Status	Findings	Recommendation, Timeframe & Responsible Person
	<p>competent to carry out the environmental impact assessment procedures.</p> <p>b) Recommendations made by the EAP in the Basic Assessment Report dated November 2012.</p> <p>c) Feasible and reasonable alternatives options including the no-go option were investigated as part of the assessment process.</p> <p>d) The BAR dated November 2012 identified all legislation and guidelines that have been considered in the preparation of the EIAR dated September 2012 and the legislation and guidelines that will be considered in the preparation of the Environmental Impact Assessment.</p> <p>e) A sufficient public participation process was undertaken, and the consultant has satisfied the minimum requirements as prescribed in the EIA regulations. 2010 for public involvement.</p> <p>f) No significant environmental degradation will result directly from the activities applied for and authorized in this authorization if the Environmental Management Plan (EMP) and proposed mitigation measures in the Basic Assessment Report which form part of this authorization are implemented.</p> <p>g) The applicant has the ability to implement the conditions of this authorization and the requirements of the EMP.</p>			
<b>Findings</b>				

EA Ref	Condition	Compliance Status	Findings	Recommendation, Timeframe & Responsible Person
	a) The municipal landfill site in Sasolburg will be used for disposal of solid waste. Waste on site will be disposed of on a regular basis.	C	<p>Sasolburg Operations have the waste management procedure which is adhered to. Competent service providers were appointed to remove the waste from site. Safe disposal certificates are kept onsite.</p> <p><i>Evidence:</i></p> <p>IWWMP' - Integrated Water and Waste Management Plan (IWWMP), Storm Water Management Plan (SWMP), Rehabilitation Strategy and Implementation Plan (RSIP), Water Conservation and Demand Management (WC/DM) Ref: SO-env-1075 DWA file number 27/2/2/C222/6/4. Verbal Confirmation Waste Manifests and Certificates</p>	None.
	b) No stockpiles or construction materials will be stored or placed within any drainage lines on site.	N/A	This condition outside the audit period and therefore was not audited.	None.
	c) Dust suppression measures will be implemented. Wetting of exposed surfaces will be done on a regular basis to reduce dust emission	N/A	This condition outside the audit period and therefore was not audited.	None.
	d) The storage tanks will be in a fully bunded area to contain any spill or leaks that might occur and the tanks will be constructed from carbon steel.	C	<p>The cyanide storage tanks are located within a concrete bund and an emergency response control plan in place at the Sasol Midland site. The tank is constructed from carbon steel.</p> <p><i>Evidence:</i></p> <p>Verbal Confirmation Onsite observation</p>	None.

EA Ref	Condition	Compliance Status	Findings	Recommendation, Timeframe & Responsible Person
	e) All water accumulation in the bunded area will be tested for sodium cyanide content before they can be re-used in the plant.	C	<p>The cyanide storage tanks are located within a concrete bund with a clean and contaminated stormwater management system and an emergency response control plan in place at the Sasol Midland site. All water accumulation in the bunded area is collected in the effluent dams on the cyanide facility and reworked within the plant.</p> <p><i>Evidence:</i></p> <p>Verbal Confirmation Onsite observation</p>	None.
	f) Appropriate drainage systems will be built to accommodate the surface water movement from the rain and wind.	C	<p>The cyanide plant has functioning drainage system that accommodate the movement of surface water from rain and wind.</p> <p><i>Evidence:</i></p> <p>Verbal Confirmation Onsite observation</p>	None.
	g) Noise for the project relates mainly to construction noise associated with the increase in construction vehicles. Noise impacts will however be of short duration and occur throughout the construction period. The noise levels are to be managed in accordance with the provisions of the Occupational Health and Safety Act	N/A	This condition outside the audit period and therefore was not audited.	None.
	h) According to the independent EAP, the information contained in the Basic Assessment Report is deemed accurate and reliable.	N/A	The applicant has noted this condition.	None.
	i) The principles of NEMA can largely be upheld.	N/A	The applicant has noted this condition.	None.



EA Ref	Condition	Compliance Status	Findings	Recommendation, Timeframe & Responsible Person
	j) Most legal and procedural requirements have been met.	N/A	The applicant has noted this condition.	None
	k) The applicant is capable of implementing the proposed conditions of the environmental authorization and the proposed mitigation measures.	C	EA conditions and EMPr mitigations have been implemented.  <i>Evidence:</i> Verbal Confirmation Onsite observation External EA and EMPr audit (2018).	None.
	l) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the BAR and will be implemented to manage the identified environmental impacts during the construction process.	N/A	The applicant has noted this condition.	None.

## 4.2 ENVIRONMENTAL MANAGEMENT PROGRAMME

Table 4-2 – provides a compliance rating of the EMP commitments that were used as the audit standard.

**Table 4-2 – Environmental Management Programme Audit Findings**

Ref	Condition	Compliance Status	Findings	Recommendations	Measures Implemented to Address Non-Compliance	Practicality of the EMP Commitments	Is the Non-Compliance Administrative or will it have an impact	Historical/New Non-Compliance (Administrative measures)
<b>Planning Phase</b>								
<b>General</b>								
1.	This EMP is to be made binding to the main contractor as well as individual contractors.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
2.	This EMP does not absolve the developer from complying with any other relevant legislation.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
3.	This EMP covers the development of the proposed installation of two new above ground Liquid Sodium Cyanide Storage Tanks at Sasolburg, Free State Province	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A

Ref	Condition	Compliance Status	Findings	Recommendations	Measures Implemented to Address Non-Compliance	Practicality of the EMPR Commitments	Is the Non-Compliance Administrative or will it have an impact	Historical/New Non-Compliance (Administrative measures)
4.	A copy of the EMPr must be distributed to each sub-contractor.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
5.	The EMPr must be placed in an accessible location where all employees have access to it.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited	None.	N/A	N/A	N/A	N/A
6.	All activities are to be in line with the OH&S Act and other regulations, where relevant	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
7.	All contracts with relevant contractors and sub-contractors must contain a clause to the effect that all waste must be disposed of at an officially approved landfill site. This is the responsibility of each contractor in question.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A

Ref	Condition	Compliance Status	Findings	Recommendations	Measures Implemented to Address Non-Compliance	Practicality of the EMPR Commitments	Is the Non-Compliance Administrative or will it have an impact	Historical/New Non-Compliance (Administrative measures)
8.	All relevant contractors are bound to the management activities stipulated in this EMPr.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	N/A	N/A	N/A	N/A	N/A
<b>Crime, Safety and Security</b>								
1.	Areas of no unauthorised access to be demarcated prior to construction commencing.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
2.	Temporary employees to provide identification and contact details, which are to be kept on file and up to date for the duration of the contract.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
<b>Construction Phase</b>								
<b>General</b>								
1.	The proposed area of development should be barricaded at the onset of construction activities. Access should be limited to the workforce only. A work permit procedure is to	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A

Ref	Condition	Compliance Status	Findings	Recommendations	Measures Implemented to Address Non-Compliance	Practicality of the EMPR Commitments	Is the Non-Compliance Administrative or will it have an impact	Historical/New Non-Compliance (Administrative measures)
	be followed where required.							
<b>Safety</b>								
1.	The site must be barricaded at the onset of construction activities.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
2.	Personal protective equipment must be utilized at all times.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
<b>Erosion &amp; Dust</b>								
1.	No stockpiles or construction materials may be stored or placed within any drainage lines on site.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
2.	Temporary soil or material stockpiles must not be higher than 2,5m (to avoid compaction) and the slopes of soil stockpiles shall not be steeper	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A

Ref	Condition	Compliance Status	Findings	Recommendations	Measures Implemented to Address Non-Compliance	Practicality of the EMPR Commitments	Is the Non-Compliance Administrative or will it have an impact	Historical/New Non-Compliance (Administrative measures)
	than 1 vertical to 1 ,5m horizontal.							
<b>Traffic</b>								
1.	A designated access (or accesses) to the proposed construction site must be created to ensure safe entry and exit.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
2.	All vehicles travelling on public roads must adhere to the specified speed limits and all drivers must be in possession of an appropriate valid driver's license.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
<b>Soil, surface water and groundwater contamination</b>								
1.	No vehicles or machinery may be serviced on site.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
2.	AH servicing of vehicles workshops offsite.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the	None.	N/A	N/A	N/A	N/A

Ref	Condition	Compliance Status	Findings	Recommendations	Measures Implemented to Address Non-Compliance	Practicality of the EMPR Commitments	Is the Non-Compliance Administrative or will it have an impact	Historical/New Non-Compliance (Administrative measures)
			operational phase, therefore it was not audited.					
3.	All fuelling of vehicles must be undertaken on an impermeable liner/drip tray.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
4.	In the event of breakdown, immediate steps shall be taken to prevent any spillage. Minimal servicing in the event of a breakdown may be undertaken on the site.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
5.	Should any leaks occur from the machinery present on site any contaminated soil must be removed and disposed of as hazardous waste.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
6.	Concrete mixing should be done in designated areas and all waste concrete should be removed and disposed of properly. Concrete water is to be disposed of as per legal requirements.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A

Ref	Condition	Compliance Status	Findings	Recommendations	Measures Implemented to Address Non-Compliance	Practicality of the EMPR Commitments	Is the Non-Compliance Administrative or will it have an impact	Historical/New Non-Compliance (Administrative measures)
7.	Cleaning of concrete mixing appropriate cleaning trays.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
8.	Construction equipment and machinery must be kept in a demarcated the loss of oils and fuel onto the ground must be limited and contained Where oils have leaked into the soil, this soil must be removed and appropriately stored for disposal of at an approved landfill site.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
9.	In the event of a spill, the source of a spillage shall be isolated and the spillage shall be contained.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
10.	Spill kits should be made available on site at all times.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A



Ref	Condition	Compliance Status	Findings	Recommendations	Measures Implemented to Address Non-Compliance	Practicality of the EMPR Commitments	Is the Non-Compliance Administrative or will it have an impact	Historical/New Non-Compliance (Administrative measures)
11.	Details of each spill of hazardous material shall be recorded in an onsite logbook, the details to be recorded include date, locality of spill, type of material, estimated quantity, contact details of the people involved, immediate mitigation steps taken and measures to be implemented to prevent recurrence.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
12.	All site employees shall be made aware of the emergency procedure(s) to be followed for dealing with spills and leaks, which shall include notifying the relevant authorities if spills are classified as significant by the NEMA incident classification checklist.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	N/A	N/A	N/A	N/A	N/A
<b>Noise</b>								
1.	All activities must be conducted in accordance with municipal by-laws.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the	None.	N/A	N/A	N/A	N/A

Ref	Condition	Compliance Status	Findings	Recommendations	Measures Implemented to Address Non-Compliance	Practicality of the EMPR Commitments	Is the Non-Compliance Administrative or will it have an impact	Historical/New Non-Compliance (Administrative measures)
			operational phase, therefore it was not audited.					
2.	All machinery must be kept in good condition to prevent the emission of excessive noise.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
3.	Staff must be advised to utilize the provided ablution facilities at all times.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
<b>Hygiene</b>								
1.	No workers shall be accommodated on site.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
2.	Dust production must be controlled by regular watering of roads and works area, should the need arise.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
<b>Atmospheric pollution</b>								

Ref	Condition	Compliance Status	Findings	Recommendations	Measures Implemented to Address Non-Compliance	Practicality of the EMPR Commitments	Is the Non-Compliance Administrative or will it have an impact	Historical/New Non-Compliance (Administrative measures)
1.	Stockpiles of construction material and spoils should be positioned in such a way that they are not exposed to wind.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
2.	All vehicles transporting material that can be blown off (e.g. soil, rubble etc.) must be covered with a tarpaulin.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
3.	Vehicles to be used during the construction phase are to be kept in good working condition so as not to be the source of excessive fumes.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
4.	Sufficient bins must be placed on site for the collection of general waste.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
<b>Waste generation and disposal</b>								
1.	Refuse generated from the construction area, storage area or any	N/A	Noted. This condition is outside the audit period and refers to a requirement	None.	N/A	N/A	N/A	N/A

Ref	Condition	Compliance Status	Findings	Recommendations	Measures Implemented to Address Non-Compliance	Practicality of the EMPR Commitments	Is the Non-Compliance Administrative or will it have an impact	Historical/New Non-Compliance (Administrative measures)
	other area shall be collected and placed in a suitable container on a daily basis.		during the construction phase and not the operational phase, therefore it was not audited.					
2.	Once full and on a regular basis, the refuse container shall be emptied and the contents disposed of at a permitted landfill site. No wastes may be buried on the site.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
3.	No waste may remain on the construction site for more than two weeks.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
4.	Builder's rubble must be placed in a designated skip container and removed to the nearest permitted landfill site.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
5.	Chemical containers and packaging brought onto the site must be removed for disposal at an appropriate site	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A

Ref	Condition	Compliance Status	Findings	Recommendations	Measures Implemented to Address Non-Compliance	Practicality of the EMPR Commitments	Is the Non-Compliance Administrative or will it have an impact	Historical/New Non-Compliance (Administrative measures)
6.	Solid waste must be removed to a permitted waste disposal site. No burning of waste is allowed.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
7.	Any material which can be recycled e.g. wood, paper or plastic must be taken to a registered recycler. Waste manifests and records of quantities recycled must be kept on site.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
8.	On completion of construction, all facilities utilized during the construction phase must be removed as well as any waste and any other feature constructed or established during the use of the lay down area.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
<b>Operational Phase</b>								
<b>Spill control</b>								
1.	In the event of a spill, the source of a spillage shall be isolated and	C	The cyanide tank is located within a concrete bund with a clean and contaminated stormwater management	None.	N/A	N/A	N/A	N/A

Ref	Condition	Compliance Status	Findings	Recommendations	Measures Implemented to Address Non-Compliance	Practicality of the EMPR Commitments	Is the Non-Compliance Administrative or will it have an impact	Historical/New Non-Compliance (Administrative measures)
	the spillage shall be contained.		<p>system and an emergency response control plan in place at the Sasol One site.</p> <p><i>Evidence:</i></p> <p>Verbal Confirmation Onsite observation</p>					
2.	Details of each spill of hazardous material shall be recorded in site logbook, the details to be recorded include date, locality of spill, type of material, estimated quantity, contact details of the people involved; immediate mitigation steps taken and measures to be implemented to prevent recurrence.	C	<p>Records relating to the operation of the two cyanide tanks are kept on site. Sasol uses the SAPS incident register to record any environmental complaint, transgression and how the issues were resolved.</p> <p><i>Evidence:</i></p> <p>Verbal Confirmation Onsite verification Incident register document</p>	None.	N/A	N/A	N/A	N/A
3.	The operational site should be regularly checked / maintained to prevent the possibility of leaks or spills. Emergency drills or procedures must be in place in the event of such an incident. Safety reviews should be ongoing throughout	C	<p>The cyanide tank is regularly inspected for leaks and when damage to the tank or the bund wall is noted, they are recorded and que for maintenance. Emergency response to spills and leaks is available for implementation in the event incidents occurs.</p>	None.	N/A	N/A	N/A	N/A

Ref	Condition	Compliance Status	Findings	Recommendations	Measures Implemented to Address Non-Compliance	Practicality of the EMPR Commitments	Is the Non-Compliance Administrative or will it have an impact	Historical/New Non-Compliance (Administrative measures)
	the lifespan of the project-		<i>Evidence:</i> Onsite communication Onsite observation of maintenance log register. Procedure for clean-up, remediation and waste disposal document.					
<b>Fires</b>								
1.	Sufficient firefighting equipment must be available on site at all times and kept free of any obstructions.	<b>C</b>	Fire extinguishers are available on site. Personnel undergoes firefighting training.  <i>Evidence:</i> Onsite communication Onsite observation					
<b>Decommissioning phase</b>								
<b>Waste Generation</b>								
1.	All associated infrastructure must be removed off site.	<b>N/A</b>	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None	N/A	N/A	N/A	N/A

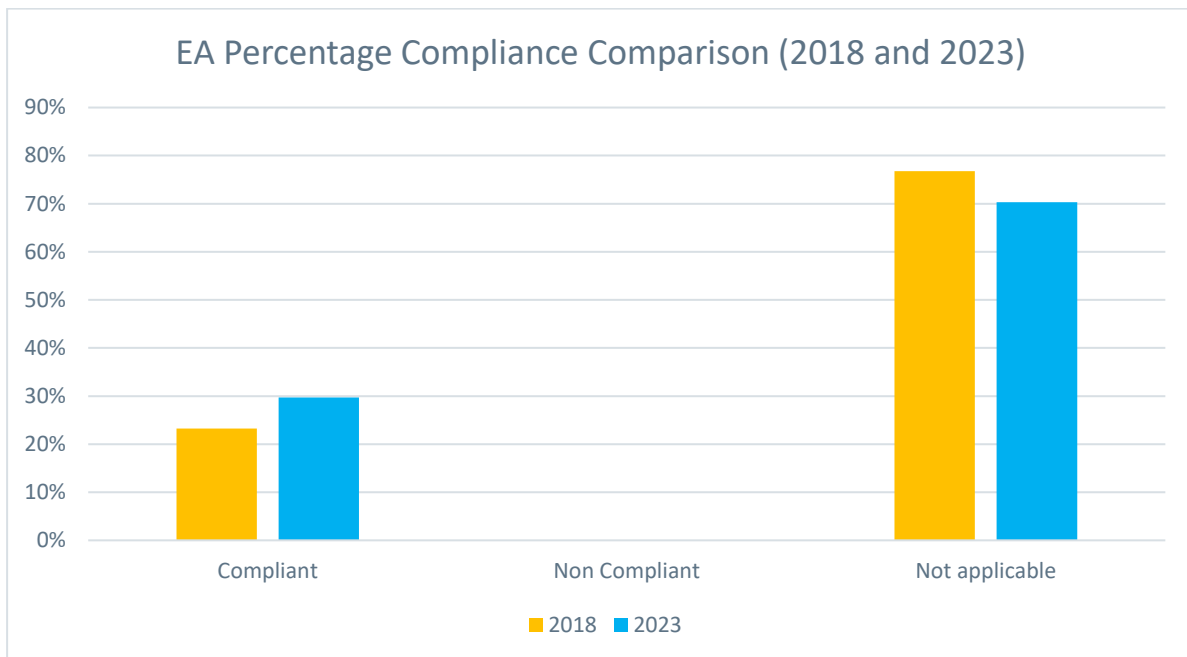
Ref	Condition	Compliance Status	Findings	Recommendations	Measures Implemented to Address Non-Compliance	Practicality of the EMPR Commitments	Is the Non-Compliance Administrative or will it have an impact	Historical/New Non-Compliance (Administrative measures)
2.	Ensure that all waste generated on the site is contained and disposed of at an authorised waste disposal site.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
3.	All recyclable materials must be extracted for recycling or reuse.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A
4.	Any waste which may contain hazardous residues must be disposed of by a registered waste contractor, if possible for recycling or for disposal at a permitted waste disposal facility.	N/A	Noted. This condition is outside the audit period and refers to a requirement during the construction phase and not the operational phase, therefore it was not audited.	None.	N/A	N/A	N/A	N/A



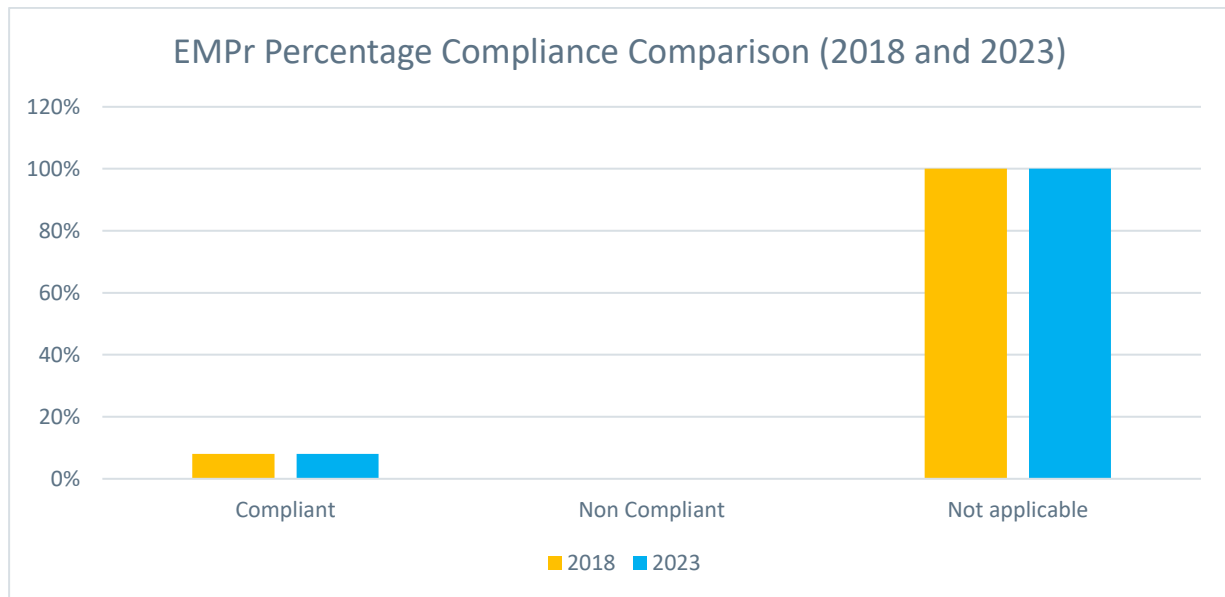
## 5 PROGRESS AGAINST PREVIOUS AUDIT FINDINGS

### 5.1 ENVIRONMENTAL AUTHORISATION (EMB/42/12/41)

The previous compliance audit report against the consolidated EA and Scoping Report Mitigations was compiled by the Northwest University CEM in November 2018. A comparison in the change of compliance rating from the 2018 and 2023 audits are provided **Table 5-1** below and provides a summary of the audit findings for the previous and current audits (2018 and 2023). The 2018 and 2023 audit identified zero non-compliant conditions.



**Figure 5-1 - Percentage comparison of Environmental Authorisation compliance levels from 2018 to 2023**



**Figure 5-2 - Percentage comparison of EMPr compliance levels from 2018 to 2023**

**Table 5-1 - Progress against previous findings**

Ref	Commitment	2018 Status	2018 Finding	2023 Status	2023 Finding
<b>EA Conditions</b>					
<b>1.Scope of authorisation</b>					
1.3	The holder of the authorisation shall be responsible for ensuring compliance with the conditions by any person acting on his or her behalf, including but not limited to, an agent, sub-contractor, employee or person rendering a service to the holder of the authorisation.	N/A	Not relevant for the operational phase.	C	<p>Sasol as the holder of the authorisation acknowledges that responsibility for ensuring compliance with the EA and provides environmental management awareness training to staff, service providers, contractors and visitors to ensure that everyone employed or acting on their behalf is aware that they need to comply with the EA and the EMPr conditions. Induction training was provided to all staff, service providers, contractors and visitors.</p> <p><i>Evidence:</i></p> <p>Verbal confirmation</p>

Ref	Commitment	2018 Status	2018 Finding	2023 Status	2023 Finding
					Staff and visitors training material and registers. Onsite Observation of staff and visitors training.
1.4	The authorised activity may only be carried out at Portion 16 of Erf 8043 of Farm Driefontein, [Farm Driefontein No.2 and Zandfontein No.259] Sasolburg as indicated above at the exact site co-ordinates.	N/A	Not relevant for the operational phase.		The authorised activity is carried out at the Sasol Midlands operations, Farm Driefontein No.2 and Zandfontein No.259 as within the EA location details.  <i>Evidence:</i>  EA location details (reference number EMS/1(e)/08/32) Google Earth
<b>Management of activity</b>					
1.18	<del>Any updates or amendments to the EMP must be submitted to the Department of Economic Development, Tourism and Environmental Affairs and must be decided upon within a period of 30 days of the submission.</del>	C	At the time of the audit, it was observed that Sasol has applied for amendment of the EA (EMB/42/12/41). The Department has granted the amendment to the authorisation (2018/03/29).	N/A	This condition has been removed from the EA through the amendment process.
<b>Monitoring</b>					
1.22	The ECO shall remain employed until all rehabilitation measures, as required for implementation due to construction damages, are completed and the site is ready for operation.	N/A	Not relevant for the operational phase.	C	Collin Marais is the appointed operational Phase ECO for the cyanide storage tank operation.  <i>Evidence:</i>  Appointment letter.
<b>Site closure and decommissioning</b>					
1.32	Before decommissioning of the development becomes evident a rehabilitation plan must be compiled and should be approved by this Department.	C	At the time of the audit, it was noted that Sasol does not plan to decommission the cyanide tanks in the near future.	N/A	Noted. This condition outside the audit period and therefore was not audited.

## 6 SUMMARY OF THE AUDIT FINDINGS

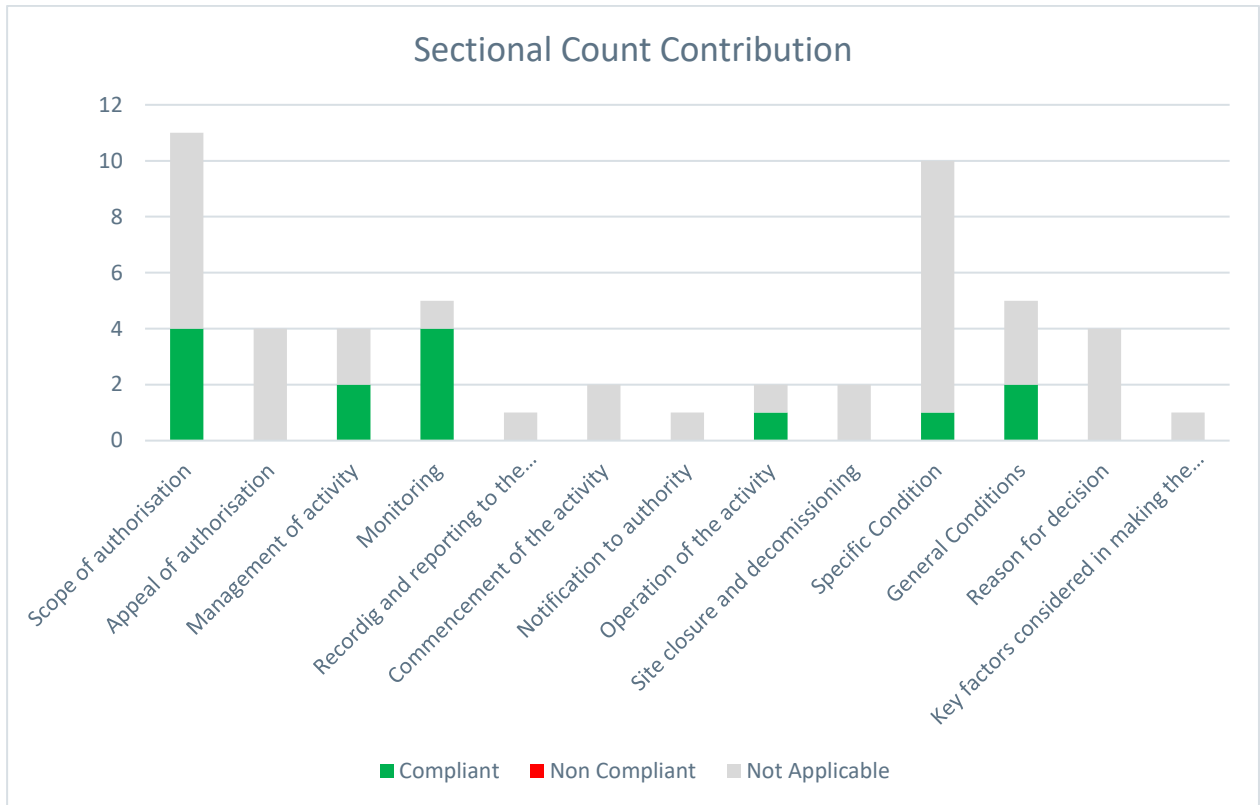
### 6.1 SUMMARY OF THE TWO CYANIDE STORAGE TANK EA FINDINGS

The audit findings of the EA have been summarised into the following categories: compliance, non-compliance and not applicable. The overall audit findings concerning compliance to the EA conditions are listed in Table 6-1 below.

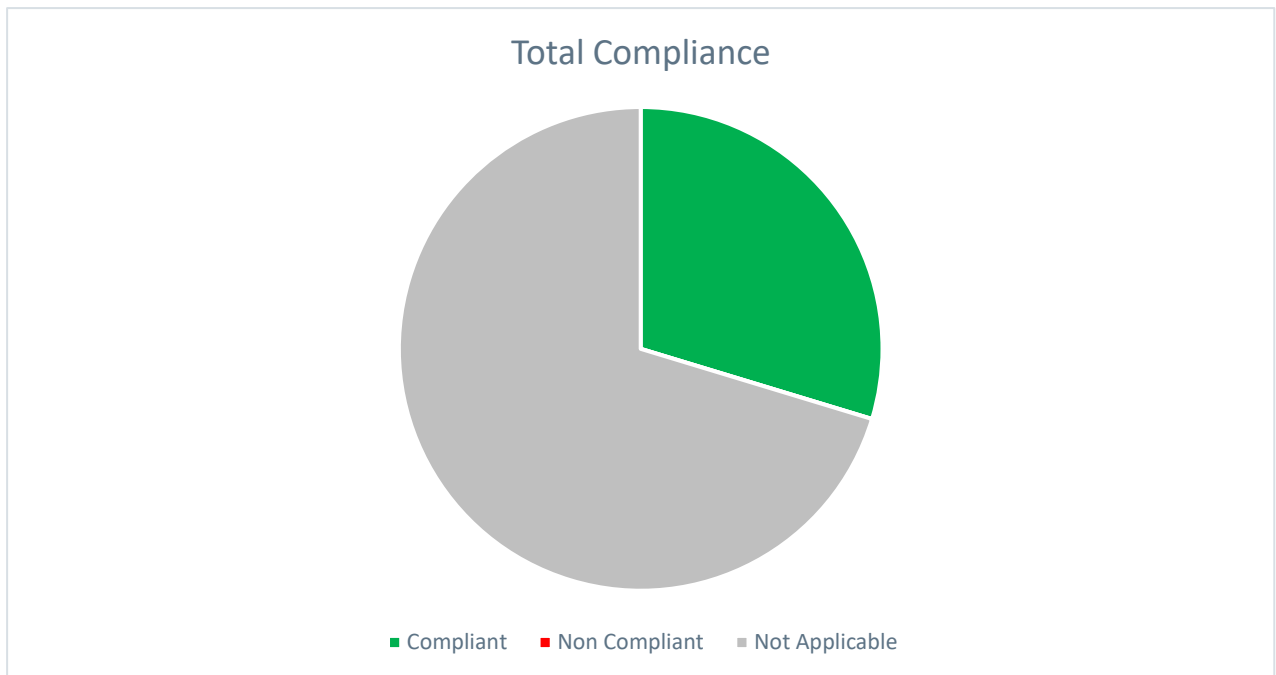
**Table 6-1 - Summary of EA Compliance Audit Findings**

Section of the EA	No. Commitments	C	NC	N/A
<b>EA Condition of Approval</b>				
Scope of authorisation	11	4	0	7
Appeal of authorisation	4		0	4
Management of the activity	4	2	0	2
Monitoring	5	4	0	1
Recording and reporting to the department	1	0	0	1
Commencement of the activity	2	0	0	2
Notification to authority	1	0	0	1
Operation of the activity	2	1	0	1
Site closure	2	0	0	2
Specific conditions	10	1	0	9
General	5	2	0	3
Reason for decision	4	0	0	4
Key factors considered in making the decision	1	0	0	1
Findings	12	5	0	7
<b>Total</b>	<b>64</b>	<b>19</b>	<b>0</b>	<b>45</b>
<b>Total Percentage</b>		<b>30%</b>	<b>0%</b>	<b>70%</b>
<b>Percentage Compliance with Applicable Conditions</b>	<b>100%</b>			

Figure 6-1 illustrates the number/count contribution of the findings of the EA conditions per section while Figure 6-2 presents the total proportion of compliance for the EA.



**Figure 6-1 - Count contribution of findings made to the EA conditions per section**



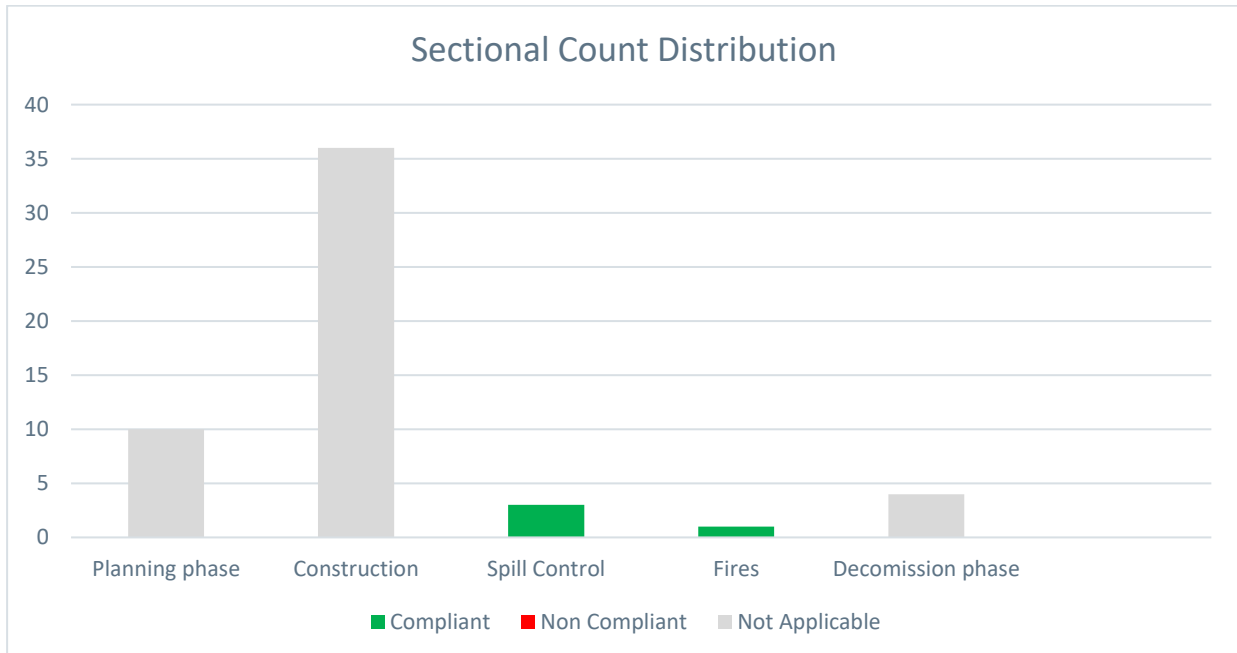
**Figure 6-2 - Overall count findings on compliance to the EA commitments**

## 6.2 SUMMARY OF EMPR FINDINGS

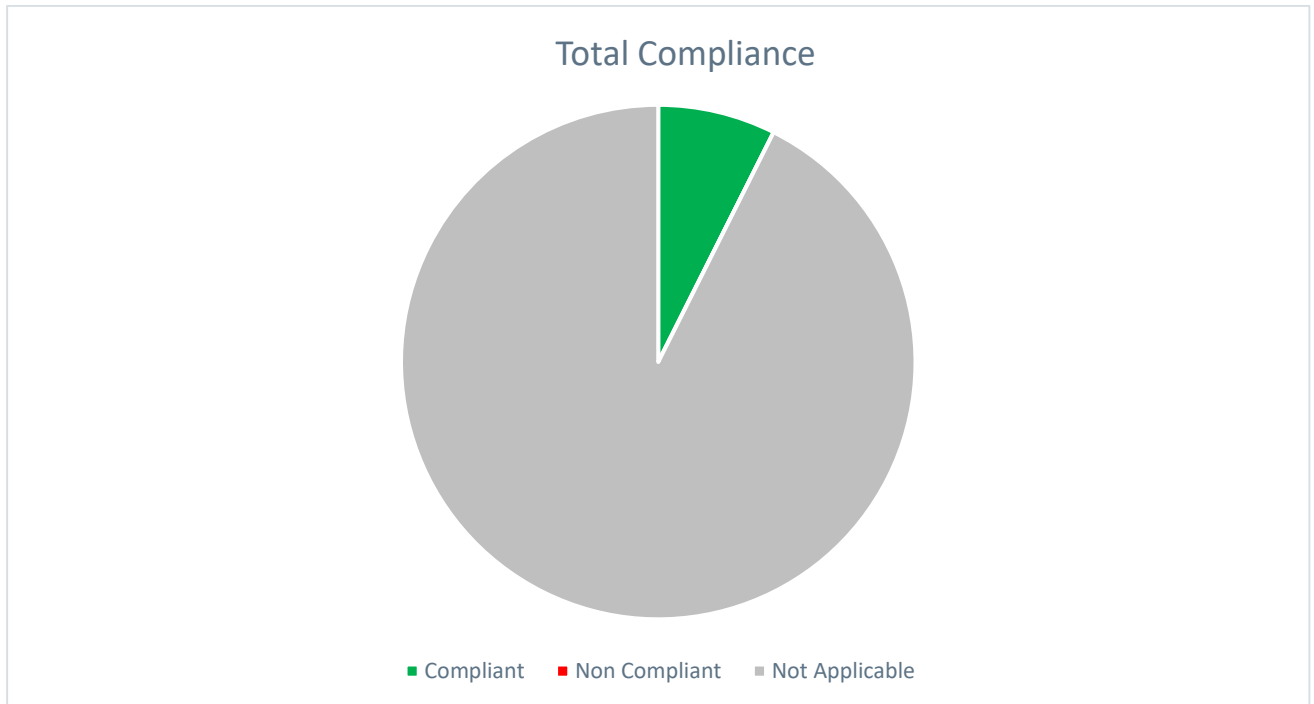
The audit findings have been summarised into the following categories: compliance, non-compliance and not applicable. The overall audit findings concerning compliance to the EMPr conditions are listed in Table 6-2 below.

**Table 6-2 - Summary of EMPr Compliance Audit Findings**

Section of the EA	No. Commitments	C	NC	N/A
Planning Phase	10	0	0	10
Construction Phase	36	0	0	36
Spill control	3	3	0	0
Fires	1	1	0	0
Decommission phase	4	0	0	4
<b>Total</b>	<b>54</b>	<b>4</b>	<b>0</b>	<b>50</b>
<b>Total Percentage</b>		<b>100%</b>	<b>0%</b>	<b>0%</b>
<b>Percentage Compliance with Applicable Conditions</b>	<b>100%</b>			



**Figure 6-3 - Count contribution of findings made to the EMPr conditions per section**



**Figure 6-4 - Overall count findings on compliance to the EMP commitments**

## 7 RECOMMEDATIONS

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Sasol is commended for achieving 100% compliance for the EA and scoping report mitigation audit and is urged to continue to implement the environmental mitigation measures within the EA and Scoping report. In addition, Sasol should continue to implement their EMS for their onsite operations and to identify new environmental risks due to changes in operations, and address these when identified on site.

Sasol is advised to continue with their comprehensive EMS and strategy for detecting environmental risks and resolving incidents and non-compliances identified on site, and to utilize the audit report as an indicator of all areas that need attention.



## 8 CONCLUSION

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Regulation 34 and Appendix 7 of the EIA Regulations 2014 (as amended) requires an assessment of the adequacy and effectiveness of the EA as part of the audit scope, as follows:

Assess the level of compliance with the conditions of the EA.

The EA compliance audit has identified that the EA commitments remain applicable, and the EA is considered effective. As such, WSP does not recommend any amendment of the EA as it is sufficient in managing environmental impacts.

WSP do acknowledge that Sasol has systems in place which are considered to be more robust for monitoring compliance and implementing changes than through the EA audit; this includes the annual audit of each business unit to meeting the ISO 14001 standards. New impacts and risks are continually identified and assessed by Sasol's Environmental Department, which assesses environmental risks and drives improvement implementation. This Department facilitates Environmental Risk Assessments per business unit to ensure that gaps are addressed through implementation of mitigation measures via an Integrated Management System.

In conclusion, WSP recommends that Sasol continues to operate each business unit under an Environmental Management System and meet the licence compliance conditions (EA, EMP, WUL, AEL, etc). This is effective for mitigation against any gaps in the EMP and to regularly identify new environmental impacts and risks that should be addressed on site.

## 9 DECLARATIONS

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### 9.1 INDEPENDENT AUDITOR DECLARATION

Appendix 7 of GNR 982 refers to the need for the independent auditor to declare his/her independence of the holder of the EA.

NAME OF INDEPENDENT AUDITOR: \_\_\_\_\_ Tshepho Mamashela \_\_\_\_\_

#### UNDERTAKING

I, \_\_\_\_\_ Tshepho Mamashela \_\_\_\_\_, the undersigned and duly authorized thereto, by WSP, have studied Sasol's two cyanide storage tanks Operations and compared the operations to the approved EA and EMPr and compiled this report to the best of my knowledge. This section should be read with **Section 3 and 4**.

Signed at \_\_\_\_\_ Midrand \_\_\_\_\_ on this the \_\_\_\_\_ 16 January \_\_\_\_\_ 2022.

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#### SIGNATURE OF INDEPENDENT AUDITOR

SIGNED IN LINE WITH THE REQUIREMENTS OF NEMA, GNR 982, APPENDIX 7, AS PUBLISHED UNDER THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT (NO. 107 OF 1998), AS AMENDED, READ WITH GNR SECTION 55 OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002.

# Appendix A

## AUDIT TEAM CV





## Tshepho Mamashela

Earth & Environment - Environmental Consultant

### CAREER SUMMARY

Tshepho Mamashela is an Environmental Consultant currently working for WSP Group Africa at the Johannesburg, Waterfall office in the Environmental Planning and Advisory Department. She is an Environmental Management professional with over 5 years' experience in the private and public sector. Tshepho has experience in environmental management field with expertise in environmental impact assessment, environmental auditing, environmental management plans.



#### <1 years with WSP

#### 6 years of experience

#### Area of expertise

Environmental Management  
Environmental Impact Assessment  
Compliance Auditing

#### Language

English

### EDUCATION

Bachelor of Science (Honours), Environmental Management, University of South Africa	2019
Bachelor of Science, Geography, University of Pretoria	2017

### ADDITIONAL TRAINING

Esri ArcGIS Basic	2019
Esri ArcGIS Standard	2019

### PROFESSIONAL MEMBERSHIPS

EAPASA – Environmental Assessment Practitioner Association of South Africa- Registration No. 2019/18	2019
	2022
SACNASP – South African Council for Natural Scientific Professional - Certified Natural Scientist – Registration No. 120878	2021

### PROFESSIONAL HISTORY

WSP Group Africa (Pty) Ltd	2023 - present
Mills and Otten	2023 – 2023
Environmental Consultant International	2021 -2022
Esri South Africa	2019 -2020
Limpopo Department of Economic Development Environment and Tourism	2018 -2019



## **Tshepho Mamashela**

Earth & Environment - Environmental Consultant

Mabyoko Environmental Projects

2017 -2018

### **PROFESSIONAL EXPERIENCE**

#### **Environmental Impact Assessment Process**

**McCormick Property Development, Development of a New Shopping Centre, Motor City, Private Hospital and Housing in Dan Limpopo Province, South Africa**

**2023**

**EAP**

Compile the Scoping Report and the Environmental Impact Report.

**Cubisol Investments, Replacement of an existing sewer pipeline BA Gauteng Province, South Africa**

**2023**

**EAP**

Compile the BA report and conduct public participation.

**L Gromer, Expansion of egg processing facility, North West, South Africa**

**2023**

**EAP**

Compile the BA.

**Engen Petroleum, Upgrade and Expansion of the Engen Impala Filling Station, Limpopo, South Africa**

**2023**

**EAP**

Compile the BA report, application forms and conduct public participation.

**African Realty Trust, Construction of six in-stream storage dams at Letaba Estate, Limpopo, South Africa**

**2022**

**EAP**

Assisted with compiling scoping report, application and related public participation documents.

**Garonga Safari Camp, S24G Application for Garonga Safari Camp, Limpopo, South Africa**

**2021/2022**

**EAP**

Assisted with compiling scoping report, application and related public participation documents.

**McCormick Property Developers, Development of shopping centre and filling station at Madombizha, Limpopo Province, South Africa**

**2018/2019**

**Case officer**

Review the BA for decision making process.

**KHPJ Property Developers, Mixed-use development at Tiyani-B, Limpopo Province, South Africa**

**2018**

**Case Officer**

Review the Scoping Report and Environmental Impact Report for decision making process.

**Thulamela Local Municipality, Demarcation of 500 sites at Maphefeni, Limpopo Province, South Africa**  
**Year from/to**

**2018**

Review the Scoping Report and Environmental Impact Report for decision making process.



## **Tshepho Mamashela**

Earth & Environment - Environmental Consultant

**L. P Mogobobye Hydraulics, Filling station at Sifikile Village, Bojanala, North West Province, South Africa**

**2017/2018**

**EAP**

Assisted in compiling the BA and supporting documentation including application forms and public participation material.

### **Compliance Auditing**

**Total Energies, Filling Moutse Mall Filling Station, Limpopo Province, South Africa**

**2023**

**Environmental Control Officer**

Provided Environmental Control Officer (ECO) services by conducting monthly EMPr and EA audit for the construction of the filling station.

**Sasol, Sasol Ammonia Storage Facility Upgrade, Free State Province, South Africa**

**2023**

**Environmental Control Officer**

Provided Environmental Control Officer (ECO) services by conducting monthly EMPr and EA audit for the construction of the ammonia storage facility.

**Cubusol Investment, Soshanguve Mall Upgrade, Gauteng Province, South Africa**

**2023**

**Environmental Control Officer**

Provided Environmental Control Officer (ECO) services by conducting monthly EMPr and EA audit for the construction of the mall.

**Alley Road, Residential Construction at Meyerton, Gauteng Province, South Africa**

**2023**

**Environmental Control Officer**

Provided Environmental Control Officer (ECO) services by conducting monthly EMPr and EA audit for the construction of the residential complex.

**Lynx Construction Group, Thatchfield Mall Construction, Gauteng, South Africa**

**2023**

**Environmental Control Officer**

Provided Environmental Control Officer (ECO) services by conducting monthly EMPr and EA audit for the construction of the mall.

**Emfuleni Estate Homeowners Association, Annual Water Use License Compliance, Free State Province, South Africa**

**2023**

**Environmental Control Officer**

Provided Environmental Control Officer (ECO) services by conducting annual WUL audit.

**Engen Petroleum, Annual Compliance Audit for Gauteng Site, Gauteng Province, South Africa**

**2023**

**Environmental Control Officer**

Provided Environmental Control Officer (ECO) services by conducting monthly EMPr and EA audit for the operation of the filling stations. The following filling station were audited:

Engen Hazeldene Convenience

Engen Vega Service Station

Engen Silver Lakes Convenience



## **Tshepho Mamashela**

Earth & Environment - Environmental Consultant

Engen R511 Tanganani

Engen Wierda Park Motors

Engen Lombardy Convenience Centre

Engen Country View Service



## Matilda Mbazo

Earth and Environment, Environmental Planning & Advisory, Intern

### CAREER SUMMARY

Matilda Mbazo graduated from Monash South Africa with a BSc in Social Sciences (cum laude) in 2021 and completed her BSc Hons in Geography at University of Witwatersrand in 2022. Matilda is currently pursuing her MSc in Environmental Sciences at University of Witwatersrand. Matilda is an Intern in the Environmental Planning and Advisory Division of WSP Group Africa based in the Waterfall office. Matilda has less than a year experience in the environmental field and currently provides technical and strategic input on a diverse range project in the environmental management field, including environmental audits.



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**1 < years with WSP**

#### Language

Afrikaans, English, Tswana, Ndebele, and Zulu

### EDUCATION

Monash South Africa – Bachelor's degree in Social Sciences	3 years
University of Witwatersrand - Bachelor of Science Honours (Geography)	1 year
University of Witwatersrand – Master of Science (Environmental Sciences)	current

### PROFESSIONAL HISTORY

WSP - Graduate Consultant	current
WSP - Intern	2023
WSP - Vacation Student	2021 - 2022
IIE MSA - Administration Assistant	2020 - 2021
Cotton On Group - Sales Associate	2020 - 2021

### PROFESSIONAL EXPERIENCE

#### FFS Chloorkop Fired Heater

July 2022 to June 2023

**ECO:** EA and EMPR Compliance Audit

**Environmental Auditor :** EA and EMPr Annual Compliance Audit

**Sasol South Africa Limited, Sasol Sasolburg EA Audits, South Africa**

October 2022 to October 2023

**Environmental Auditor**





At the Sasol One Complex in Sasolburg, nine unit operations were subject to an external compliance audit against their EA and EMPr criteria.

**South 32: Wessels and Mamatwan Mine, EA and EMPr Audits**

November 2023

**Environmental Auditor** : EA and EMPr Compliance Audit

**Dissertations and Research Projects**

**Department of Geography, Archaeology and Environmental Studies, University of Witwatersrand, Master of Science Dissertation.**

**2023-2024**

To quantify the interactive effects of extreme drought, fire frequency, and mega-herbivory on tree density in a Marula-Knobthorn savanna using Geographic Information Systems and Remote Sensing.

**Department of Geography, Archaeology and Environmental Studies, University of Witwatersrand, Bachelor of Science (Geography), Research Project**

**2022**

Assessment of flood impact at the Hennops river, streaming from Tembisa to Centurion, using Remote Sensing and Geographic Information System.



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Magwa Crescent West, Waterfall City  
Midrand, 1685  
South Africa

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## Annexure B – Sasol Polythene Plant 3

### Environmental Management Programme Operational Phase

Mitigations measures identified during the environmental impact assessment, for the operational phase of the project, defining the impact management outcome and impact management actions to enable compliance to this regulation.

<b>Impact Management objective</b>	<b><i>Mitigation Action</i></b>
1. Spill control	1.1. In the event of a spill, the source of the spillage shall be isolated, and the spillage shall be contained.
	1.2. Details of each spill of hazardous material shall be recorded in site logbook, the details to be recorded include date, locality of spill, type of material, estimated quantity, contact details of people involved, immediate mitigation steps taken and measures to be implemented to prevent re-occurrence
	1.3. The operational site should be regularly checked and maintained to prevent the possibility of leaks or spills. Emergency drills or procedures must be in place in the event of such an incident. Safety reviews should be ongoing throughout the lifespan of the project.
2. Fires	2.1 Sufficient firefighting equipment must be available on site at all times and kept free of any obstructions.