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REPUBLIC OF SOUTH AFRICA
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PART 1 OF 3

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No FUTURE QUERIES WILL BE HANDLED IN CONNECTION WITH THE ABOVE.

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government
printing

Department:
Government Printing Works
REPUBLIC OF SOUTH AFRICA

HIGH ALERT: SCAM WARNING!!!

TO ALL SUPPLIERS AND SERVICE PROVIDERS OF THE GOVERNMENT PRINTING WORKS

It has come to the attention of the *GOVERNMENT PRINTING WORKS* that there are certain unscrupulous companies and individuals who are defrauding unsuspecting businesses disguised as representatives of the *Government Printing Works (GPW)*.

The scam involves the fraudsters using the letterhead of *GPW* to send out fake tender bids to companies and requests to supply equipment and goods.

Although the contact person's name on the letter may be of an existing official, the contact details on the letter are not the same as the *Government Printing Works*. When searching on the Internet for the address of the company that has sent the fake tender document, the address does not exist.

The banking details are in a private name and not company name. Government will never ask you to deposit any funds for any business transaction. *GPW* has alerted the relevant law enforcement authorities to investigate this scam to protect legitimate businesses as well as the name of the organisation.

Example of e-mails these fraudsters are using:

PROCUREMENT@GPW-GOV.ORG

Should you suspect that you are a victim of a scam, you must urgently contact the police and inform the *GPW*.

GPW has an official email with the domain as @gpw.gov.za

Government e-mails DO NOT have org in their e-mail addresses. All of these fraudsters also use the same or very similar telephone numbers. Although such number with an area code 012 looks like a landline, it is not fixed to any property.

GPW will never send you an e-mail asking you to supply equipment and goods without a purchase/order number. *GPW* does not procure goods for another level of Government. The organisation will not be liable for actions that result in companies or individuals being resultant victims of such a scam.

Government Printing Works gives businesses the opportunity to supply goods and services through RFQ / Tendering process. In order to be eligible to bid to provide goods and services, suppliers must be registered on the National Treasury's Central Supplier Database (CSD). To be registered, they must meet all current legislative requirements (e.g. have a valid tax clearance certificate and be in good standing with the South African Revenue Services - SARS).

The tender process is managed through the Supply Chain Management (SCM) system of the department. SCM is highly regulated to minimise the risk of fraud, and to meet objectives which include value for money, open and effective competition, equitability, accountability, fair dealing, transparency and an ethical approach. Relevant legislation, regulations, policies, guidelines and instructions can be found on the tender's website.

Fake Tenders

National Treasury's CSD has launched the Government Order Scam campaign to combat fraudulent requests for quotes (RFQs). Such fraudulent requests have resulted in innocent companies losing money. We work hard at preventing and fighting fraud, but criminal activity is always a risk.

How tender scams work

There are many types of tender scams. Here are some of the more frequent scenarios:

Fraudsters use what appears to be government department stationery with fictitious logos and contact details to send a fake RFQ to a company to invite it to urgently supply goods. Shortly after the company has submitted its quote, it receives notification that it has won the tender. The company delivers the goods to someone who poses as an official or at a fake site. The Department has no idea of this transaction made in its name. The company is then never paid and suffers a loss.

OR

Fraudsters use what appears to be government department stationery with fictitious logos and contact details to send a fake RFQ to Company A to invite it to urgently supply goods. Typically, the tender specification is so unique that only Company B (a fictitious company created by the fraudster) can supply the goods in question.

Shortly after Company A has submitted its quote it receives notification that it has won the tender. Company A orders the goods and pays a deposit to the fictitious Company B. Once Company B receives the money, it disappears. Company A's money is stolen in the process.

Protect yourself from being scammed

- If you are registered on the supplier databases and you receive a request to tender or quote that seems to be from a government department, contact the department to confirm that the request is legitimate. Do not use the contact details on the tender document as these might be fraudulent.
- Compare tender details with those that appear in the Tender Bulletin, available online at www.gpwonline.co.za
- Make sure you familiarise yourself with how government procures goods and services. Visit the tender website for more information on how to tender.
- If you are uncomfortable about the request received, consider visiting the government department and/or the place of delivery and/or the service provider from whom you will be sourcing the goods.
- In the unlikely event that you are asked for a deposit to make a bid, contact the SCM unit of the department in question to ask whether this is in fact correct.

Any incidents of corruption, fraud, theft and misuse of government property in the *Government Printing Works* can be reported to:

Supply Chain Management: Ms. Anna Marie Du Toit, Tel. (012) 748 6292.
Email: Annamarie.DuToit@gpw.gov.za

Marketing and Stakeholder Relations: Ms Bonakele Mbhele, at Tel. (012) 748 6193.
Email: Bonakele.Mbhele@gpw.gov.za

Security Services: Mr Daniel Legoabe, at tel. (012) 748 6176.
Email: Daniel.Legoabe@gpw.gov.za

Closing times for **ORDINARY WEEKLY** **GOVERNMENT GAZETTE** **2021**

*The closing time is **15:00** sharp on the following days:*

- **24 December 2020**, Thursday for the issue of Thursday **31 December 2020**
- **31 December 2020**, Thursday for the issue of Friday **08 January 2021**
- **08 January**, Friday for the issue of Friday **15 January 2021**
- **15 January**, Friday for the issue of Friday **22 January 2021**
- **22 January**, Friday for the issue of Friday **29 January 2021**
- **29 January**, Friday for the issue of Friday **05 February 2021**
- **05 February**, Friday for the issue of Friday **12 February 2021**
- **12 February**, Friday for the issue of Friday **19 February 2021**
- **19 February**, Friday for the issue of Friday **26 February 2021**
- **26 February**, Friday for the issue of Friday **05 March 2021**
- **05 March**, Friday for the issue of Friday **12 March 2021**
- **12 March**, Friday for the issue of Friday **19 March 2021**
- **18 March**, Thursday for the issue of Friday **26 March 2021**
- **25 March**, Thursday for the issue of Thursday **01 April 2021**
- **31 March**, Wednesday for the issue of Friday **09 April 2021**
- **09 April**, Friday for the issue of Friday **16 April 2021**
- **16 April**, Friday for the issue of Friday **23 April 2021**
- **22 April**, Thursday for the issue of Friday **30 April 2021**
- **30 April**, Friday for the issue of Friday **07 May 2021**
- **07 May**, Friday for the issue of Friday **14 May 2021**
- **14 May**, Friday for the issue of Friday **21 May 2021**
- **21 May**, Friday for the issue of Friday **28 May 2021**
- **28 May**, Friday for the issue of Friday **04 June 2021**
- **04 June**, Friday for the issue of Friday **11 June 2021**
- **10 June**, Thursday for the issue of Friday **18 June 2021**
- **18 June**, Friday for the issue of Friday **25 June 2021**
- **25 June**, Friday for the issue of Friday **02 July 2021**
- **02 July**, Friday for the issue of Friday **09 July 2021**
- **09 July**, Friday for the issue of Friday **16 July 2021**
- **16 July**, Friday for the issue of Friday **23 July 2021**
- **23 July**, Friday for the issue of Friday **30 July 2021**
- **30 July**, Friday for the issue of Friday **06 August 2021**
- **05 August**, Thursday for the issue of Friday **13 August 2021**
- **13 August**, Friday for the issue of Friday **20 August 2021**
- **20 August**, Friday for the issue of Friday **27 August 2021**
- **27 August**, Friday for the issue of Friday **03 September 2021**
- **03 September**, Friday for the issue of Friday **10 September 2021**
- **10 September**, Friday for the issue of Friday **17 September 2021**
- **16 September**, Thursday for the issue of Thursday **23 September 2021**
- **23 September**, Thursday for the issue of Friday **01 October 2021**
- **01 October**, Friday for the issue of Friday **08 October 2021**
- **08 October**, Friday for the issue of Friday **15 October 2021**
- **15 October**, Friday for the issue of Friday **22 October 2021**
- **22 October**, Friday for the issue of Friday **29 October 2021**
- **29 October**, Friday for the issue of Friday **05 November 2021**
- **05 November**, Friday for the issue of Friday **12 November 2021**
- **12 November**, Friday for the issue of Friday **19 November 2021**
- **19 November**, Friday for the issue of Friday **26 November 2021**
- **26 November**, Friday for the issue of Friday **03 December 2021**
- **03 December**, Friday for the issue of Friday **10 December 2021**
- **09 December**, Thursday for the issue of Friday **17 December 2021**
- **17 December**, Friday for the issue of Friday **24 December 2021**
- **23 December**, Thursday for the issue of Friday **31 December 2021**

LIST OF TARIFF RATES FOR PUBLICATION OF NOTICES

COMMENCEMENT: 1 APRIL 2018

NATIONAL AND PROVINCIAL

Notice sizes for National, Provincial & Tender gazettes 1/4, 2/4, 3/4, 4/4 per page. Notices submitted will be charged at R1008.80 per full page, pro-rated based on the above categories.

Pricing for National, Provincial - Variable Priced Notices		
Notice Type	Page Space	New Price (R)
Ordinary National, Provincial	1/4 - Quarter Page	252.20
Ordinary National, Provincial	2/4 - Half Page	504.40
Ordinary National, Provincial	3/4 - Three Quarter Page	756.60
Ordinary National, Provincial	4/4 - Full Page	1008.80

EXTRA-ORDINARY

All Extra-ordinary National and Provincial gazette notices are non-standard notices and attract a variable price based on the number of pages submitted.

The pricing structure for National and Provincial notices which are submitted as **Extra ordinary submissions** will be charged at **R3026.32** per page.

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GOVERNMENT PRINTING WORKS - BUSINESS RULES

The **Government Printing Works (GPW)** has established rules for submitting notices in line with its electronic notice processing system, which requires the use of electronic *Adobe Forms*. Please ensure that you adhere to these guidelines when completing and submitting your notice submission.

CLOSING TIMES FOR ACCEPTANCE OF NOTICES

1. The *Government Gazette* and *Government Tender Bulletin* are weekly publications that are published on Fridays and the closing time for the acceptance of notices is strictly applied according to the scheduled time for each gazette.
2. Please refer to the Submission Notice Deadline schedule in the table below. This schedule is also published online on the Government Printing works website www.gpwonline.co.za

All re-submissions will be subject to the standard cut-off times.

All notices received after the closing time will be rejected.

Government Gazette Type	Publication Frequency	Publication Date	Submission Deadline	Cancellations Deadline
National Gazette	Weekly	Friday	Friday 15h00 for next Friday	Tuesday, 15h00 - 3 working days prior to publication
Regulation Gazette	Weekly	Friday	Friday 15h00 for next Friday	Tuesday, 15h00 - 3 working days prior to publication
Petrol Price Gazette	Monthly	Tuesday before 1st Wednesday of the month	One day before publication	1 working day prior to publication
Road Carrier Permits	Weekly	Friday	Thursday 15h00 for next Friday	3 working days prior to publication
Unclaimed Monies (Justice, Labour or Lawyers)	January / September 2 per year	Last Friday	One week before publication	3 working days prior to publication
Parliament (Acts, White Paper, Green Paper)	As required	Any day of the week	None	3 working days prior to publication
Manuals	Bi- Monthly	2nd and last Thursday of the month	One week before publication	3 working days prior to publication
State of Budget (National Treasury)	Monthly	30th or last Friday of the month	One week before publication	3 working days prior to publication
<i>Extraordinary Gazettes</i>	As required	Any day of the week	<i>Before 10h00 on publication date</i>	<i>Before 10h00 on publication date</i>
Legal Gazettes A, B and C	Weekly	Friday	One week before publication	Tuesday, 15h00 - 3 working days prior to publication
Tender Bulletin	Weekly	Friday	Friday 15h00 for next Friday	Tuesday, 15h00 - 3 working days prior to publication
Gauteng	Weekly	Wednesday	Two weeks before publication	3 days after submission deadline
Eastern Cape	Weekly	Monday	One week before publication	3 working days prior to publication
Northern Cape	Weekly	Monday	One week before publication	3 working days prior to publication
North West	Weekly	Tuesday	One week before publication	3 working days prior to publication
KwaZulu-Natal	Weekly	Thursday	One week before publication	3 working days prior to publication
Limpopo	Weekly	Friday	One week before publication	3 working days prior to publication
Mpumalanga	Weekly	Friday	One week before publication	3 working days prior to publication

GOVERNMENT PRINTING WORKS - BUSINESS RULES

Government Gazette Type	Publication Frequency	Publication Date	Submission Deadline	Cancellations Deadline
Gauteng Liquor License Gazette	Monthly	Wednesday before the First Friday of the month	Two weeks before publication	3 working days after submission deadline
Northern Cape Liquor License Gazette	Monthly	First Friday of the month	Two weeks before publication	3 working days after submission deadline
National Liquor License Gazette	Monthly	First Friday of the month	Two weeks before publication	3 working days after submission deadline
Mpumalanga Liquor License Gazette	Bi-Monthly	Second & Fourth Friday	One week before publication	3 working days prior to publication

EXTRAORDINARY GAZETTES

3. *Extraordinary Gazettes* can have only one publication date. If multiple publications of an *Extraordinary Gazette* are required, a separate Z95/Z95Prov *Adobe* Forms for each publication date must be submitted.

NOTICE SUBMISSION PROCESS

4. Download the latest *Adobe* form, for the relevant notice to be placed, from the **Government Printing Works** website www.gpwonline.co.za.
5. The *Adobe* form needs to be completed electronically using *Adobe Acrobat / Acrobat Reader*. Only electronically completed *Adobe* forms will be accepted. No printed, handwritten and/or scanned *Adobe* forms will be accepted.
6. The completed electronic *Adobe* form has to be submitted via email to submit.egazette@gpw.gov.za. The form needs to be submitted in its original electronic *Adobe* format to enable the system to extract the completed information from the form for placement in the publication.
7. Every notice submitted **must** be accompanied by an official **GPW** quotation. This must be obtained from the *eGazette* Contact Centre.
8. Each notice submission should be sent as a single email. The email **must** contain **all documentation relating to a particular notice submission**.
 - 8.1. Each of the following documents must be attached to the email as a separate attachment:
 - 8.1.1. An electronically completed *Adobe* form, specific to the type of notice that is to be placed.
 - 8.1.1.1. For *National Government Gazette* or *Provincial Gazette* notices, the notices must be accompanied by an electronic Z95 or Z95Prov *Adobe* form
 - 8.1.1.2. The notice content (body copy) **MUST** be a separate attachment.
 - 8.1.2. A copy of the official **Government Printing Works** quotation you received for your notice. (*Please see Quotation section below for further details*)
 - 8.1.3. A valid and legible Proof of Payment / Purchase Order: **Government Printing Works** account customer must include a copy of their Purchase Order. **Non-Government Printing Works** account customer needs to submit the proof of payment for the notice
 - 8.1.4. Where separate notice content is applicable (Z95, Z95 Prov and TForm 3, it should **also** be attached as a separate attachment. (*Please see the Copy Section below, for the specifications*).
 - 8.1.5. Any additional notice information if applicable.

GOVERNMENT PRINTING WORKS - BUSINESS RULES

9. The electronic *Adobe* form will be taken as the primary source for the notice information to be published. Instructions that are on the email body or covering letter that contradicts the notice form content will not be considered. The information submitted on the electronic *Adobe* form will be published as-is.
10. To avoid duplicated publication of the same notice and double billing, Please submit your notice **ONLY ONCE**.
11. Notices brought to **GPW** by “walk-in” customers on electronic media can only be submitted in *Adobe* electronic form format. All “walk-in” customers with notices that are not on electronic *Adobe* forms will be routed to the Contact Centre where they will be assisted to complete the forms in the required format.
12. Should a customer submit a bulk submission of hard copy notices delivered by a messenger on behalf of any organisation e.g. newspaper publisher, the messenger will be referred back to the sender as the submission does not adhere to the submission rules.

QUOTATIONS

13. Quotations are valid until the next tariff change.
 - 13.1. **Take note:** **GPW**'s annual tariff increase takes place on **1 April** therefore any quotations issued, accepted and submitted for publication up to **31 March** will keep the old tariff. For notices to be published from 1 April, a quotation must be obtained from **GPW** with the new tariffs. Where a tariff increase is implemented during the year, **GPW** endeavours to provide customers with 30 days' notice of such changes.
14. Each quotation has a unique number.
15. Form Content notices must be emailed to the *eGazette* Contact Centre for a quotation.
 - 15.1. The *Adobe* form supplied is uploaded by the Contact Centre Agent and the system automatically calculates the cost of your notice based on the layout/format of the content supplied.
 - 15.2. It is critical that these *Adobe* Forms are completed correctly and adhere to the guidelines as stipulated by **GPW**.
16. **APPLICABLE ONLY TO GPW ACCOUNT HOLDERS:**
 - 16.1. **GPW** Account Customers must provide a valid **GPW** account number to obtain a quotation.
 - 16.2. Accounts for **GPW** account customers **must** be active with sufficient credit to transact with **GPW** to submit notices.
 - 16.2.1. If you are unsure about or need to resolve the status of your account, please contact the **GPW** Finance Department prior to submitting your notices. (If the account status is not resolved prior to submission of your notice, the notice will be failed during the process).
17. **APPLICABLE ONLY TO CASH CUSTOMERS:**
 - 17.1. Cash customers doing **bulk payments** must use a **single email address** in order to use the **same proof of payment** for submitting multiple notices.
18. The responsibility lies with you, the customer, to ensure that the payment made for your notice(s) to be published is sufficient to cover the cost of the notice(s).
19. Each quotation will be associated with one proof of payment / purchase order / cash receipt.
 - 19.1. This means that **the quotation number can only be used once to make a payment.**

GOVERNMENT PRINTING WORKS - BUSINESS RULES**COPY (SEPARATE NOTICE CONTENT DOCUMENT)**

20. Where the copy is part of a separate attachment document for Z95, Z95Prov and TForm03
- 20.1. Copy of notices must be supplied in a separate document and may not constitute part of any covering letter, purchase order, proof of payment or other attached documents.
- The content document should contain only one notice. (You may include the different translations of the same notice in the same document).
- 20.2. The notice should be set on an A4 page, with margins and fonts set as follows:
- Page size = A4 Portrait with page margins: Top = 40mm, LH/RH = 16mm, Bottom = 40mm;
Use font size: Arial or Helvetica 10pt with 11pt line spacing;
- Page size = A4 Landscape with page margins: Top = 16mm, LH/RH = 40mm, Bottom = 16mm;
Use font size: Arial or Helvetica 10pt with 11pt line spacing;

CANCELLATIONS

21. Cancellation of notice submissions are accepted by **GPW** according to the deadlines stated in the table above in point 2. Non-compliance to these deadlines will result in your request being failed. Please pay special attention to the different deadlines for each gazette. Please note that any notices cancelled after the cancellation deadline will be published and charged at full cost.
22. Requests for cancellation must be sent by the original sender of the notice and must be accompanied by the relevant notice reference number (N-) in the email body.

AMENDMENTS TO NOTICES

23. With effect from 01 October 2015, **GPW** will not longer accept amendments to notices. The cancellation process will need to be followed according to the deadline and a new notice submitted thereafter for the next available publication date.

REJECTIONS

24. All notices not meeting the submission rules will be rejected to the customer to be corrected and resubmitted. Assistance will be available through the Contact Centre should help be required when completing the forms. (012-748 6200 or email info.egazette@gpw.gov.za). Reasons for rejections include the following:
- 24.1. Incorrectly completed forms and notices submitted in the wrong format, will be rejected.
- 24.2. Any notice submissions not on the correct *Adobe* electronic form, will be rejected.
- 24.3. Any notice submissions not accompanied by the proof of payment / purchase order will be rejected and the notice will not be processed.
- 24.4. Any submissions or re-submissions that miss the submission cut-off times will be rejected to the customer. The Notice needs to be re-submitted with a new publication date.

GOVERNMENT PRINTING WORKS - BUSINESS RULES**APPROVAL OF NOTICES**

25. Any notices other than legal notices are subject to the approval of the Government Printer, who may refuse acceptance or further publication of any notice.
26. No amendments will be accepted in respect to separate notice content that was sent with a Z95 or Z95Prov notice submissions. The copy of notice in layout format (previously known as proof-out) is only provided where requested, for Advertiser to see the notice in final Gazette layout. Should they find that the information submitted was incorrect, they should request for a notice cancellation and resubmit the corrected notice, subject to standard submission deadlines. The cancellation is also subject to the stages in the publishing process, i.e. If cancellation is received when production (printing process) has commenced, then the notice cannot be cancelled.

GOVERNMENT PRINTER INDEMNIFIED AGAINST LIABILITY

27. The Government Printer will assume no liability in respect of—
 - 27.1. any delay in the publication of a notice or publication of such notice on any date other than that stipulated by the advertiser;
 - 27.2. erroneous classification of a notice, or the placement of such notice in any section or under any heading other than the section or heading stipulated by the advertiser;
 - 27.3. any editing, revision, omission, typographical errors or errors resulting from faint or indistinct copy.

LIABILITY OF ADVERTISER

28. Advertisers will be held liable for any compensation and costs arising from any action which may be instituted against the Government Printer in consequence of the publication of any notice.

CUSTOMER INQUIRIES

Many of our customers request immediate feedback/confirmation of notice placement in the gazette from our Contact Centre once they have submitted their notice – While **GPW** deems it one of their highest priorities and responsibilities to provide customers with this requested feedback and the best service at all times, we are only able to do so once we have started processing your notice submission.

GPW has a 2-working day turnaround time for processing notices received according to the business rules and deadline submissions.

Please keep this in mind when making inquiries about your notice submission at the Contact Centre.

29. Requests for information, quotations and inquiries must be sent to the Contact Centre **ONLY**.
30. Requests for Quotations (RFQs) should be received by the Contact Centre at least **2 working days** before the submission deadline for that specific publication.

GOVERNMENT PRINTING WORKS - BUSINESS RULES

PAYMENT OF COST

31. The Request for Quotation for placement of the notice should be sent to the Gazette Contact Centre as indicated above, prior to submission of notice for advertising.
32. Payment should then be made, or Purchase Order prepared based on the received quotation, prior to the submission of the notice for advertising as these documents i.e. proof of payment or Purchase order will be required as part of the notice submission, as indicated earlier.
33. Every proof of payment must have a valid **GPW** quotation number as a reference on the proof of payment document.
34. Where there is any doubt about the cost of publication of a notice, and in the case of copy, an enquiry, accompanied by the relevant copy, should be addressed to the Gazette Contact Centre, **Government Printing Works**, Private Bag X85, Pretoria, 0001 email: info.egazette@gpw.gov.za before publication.
35. Overpayment resulting from miscalculation on the part of the advertiser of the cost of publication of a notice will not be refunded, unless the advertiser furnishes adequate reasons why such miscalculation occurred. In the event of underpayments, the difference will be recovered from the advertiser, and future notice(s) will not be published until such time as the full cost of such publication has been duly paid in cash or electronic funds transfer into the **Government Printing Works** banking account.
36. In the event of a notice being cancelled, a refund will be made only if no cost regarding the placing of the notice has been incurred by the **Government Printing Works**.
37. The **Government Printing Works** reserves the right to levy an additional charge in cases where notices, the cost of which has been calculated in accordance with the List of Fixed Tariff Rates, are subsequently found to be excessively lengthy or to contain overmuch or complicated tabulation.

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38. Copies of any of the *Government Gazette* or *Provincial Gazette* can be downloaded from the **Government Printing Works** website www.gpwonline.co.za free of charge, should a proof of publication be required.
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GOVERNMENT NOTICES • GOEWERMENTSKENNISGEWINGS

DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT

NO. 1538

3 December 2021

LAND REFORM (LABOUR TENANTS) ACT, 1996 (ACT NO. 3 OF 1996)

Notice is hereby given, in terms of Section 17 (2) (c) of the Land Reform (Labour Tenants) Act, 1996 (Act No 3 of 1996) ("the LTA"), that an Application for acquisition of land was lodged with the Director General of the Department of Land Affairs by the Applicants, and in respect of the Property set out in the Schedule.

Any party who may have an interest in the above-mentioned Application is hereby invited to make written representations to the Director General, within 30 days from the publication of this Notice. The representations must be forwarded to:

The Director General
c/o Deputy Director: Tenure Reform Implementation
Department of Agriculture, Land Reform & Rural Development

Private Bag X9081, Ermelo, 2350; or 23 Taute Street, Ermelo

File Reference: ET6/5/SH L

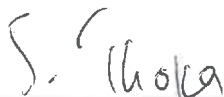
SCHEDULE

Applicants:

No.	Name and Surname	Identity Number
1.	Bhutana Samson Maziya	580227 5495 087
2.	Gijimeni Maseko	381201 5180 081
3.	John June Nkosi (Sikhosana)	690617 5747 080

Property:

No.	Property Description	Locality (District)	Current Title Deed No	Current Owner	Bonds and Restrictive Conditions (Interdicts)
	PORTION 21 OF GOENDEHOOP 489 JS	Gert Sibande	T77969/1991	HENDRIK COMBRINK TRUST	N/A



For **DIRECTOR-GENERAL: DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM**

SIGNED BY: 

DEPUTY DIRECTOR: TENURE REFORM IMPLEMENTATION / LABOUR TENANTS
DULY AUTHORISED

DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT

NO. 1539

3 December 2021

LAND REFORM (LABOUR TENANTS) ACT, 1996 (ACT NO. 3 OF 1996)

Notice is hereby given, in terms of Section 17 (2) (c) of the Land Reform (Labour Tenants) Act, 1996 (Act No 3 of 1996) ("the LTA"), that an Application for acquisition of land was lodged with the Director General of the Department of Land Affairs by the Applicants, and in respect of the Property set out in the Schedule.

Any party who may have an interest in the above-mentioned Application is hereby invited to make written representations to the Director General, within 30 days from the publication of this Notice. The representations must be forwarded to:

The Director General
c/o Deputy Director: Tenure Systems Reform
Department of Agriculture, Land Reform And Rural Development
 Nkangala District Shared Services Centre,
 Private Bag X 7261
 Witbank
 1035
 Tel: 013 655 1000

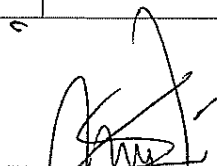
SCHEDULE**Applicants:**

No.	Name and Surname	Identity Number
1.	NGOZI PIET MAHLANGU	4203185252083,
2.	JOSEPH GEORGE ZIMU	6704046643087,
3.	ZONDANE PETROS MAHLANGU	4909095354085,
4.	PETRUS JOHANNES MAHLANGU	6901055472081,
5.	MOHIWA PHILIP ZIMU	4109225267082,
(Hereinafter referred to as "the Applicants")		

Property:

No.	Property Description	Locality (District)	Current Title Deed No	Current Owner	Bonds and Restrictive Conditions (Interdicts)
1	R/E of Portion 03 of the Farm Wintershoek 390 JS	Nkangala	T85972/1989	1. WYK PETRUS CHRISTIAAN VAN	

2	Portion 15 of the Farm Wintershoek 390 JS	Nkangala	T37632/1975	1. WYK PETRUS CHRISTIAAN VAN	
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For **DIRECTOR-GENERAL: DEPARTMENT OF AGRICULTURE, LAND REFORM AND
RURAL DEVELOPMENT**
SIGNED BY: **ITANI NEMATANDANI**
DEPUTY DIRECTOR: TENURE SYSTEMS REFORM, DULY AUTHORISED

DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT

NO. 1540

3 December 2021

LAND REFORM (LABOUR TENANTS) ACT, 1996 (ACT NO. 3 OF 1996)

Notice is hereby given, in terms of Section 17 (2) (c) of the Land Reform (Labour Tenants) Act, 1996 (Act No 3 of 1996) ("the LTA"), that an Application for acquisition of land was lodged with the Director General of the Department of Land Affairs by the Applicants, and in respect of the Property set out in the Schedule.

Any party who may have an interest in the above-mentioned Application is hereby invited to make written representations to the Director General, within 30 days from the publication of this Notice. The representations must be forwarded to:

The Director General
c/o Deputy Director: Tenure Reform Implementation
Department of Agriculture, Land Reform & Rural Development

Private Bag X9081, Ermelo, 2350; or 23 Taute Street, Ermelo

File Reference: : ET6/5/SH 12722 L

SCHEDULE**Applicants:**

No.	Name and Surname	Identity Number
1.	Sibanyoni Masonto Tierberg	3712185149082
2.	Sibanyoni Huyaya Joseph	4702055318080
3.	Sibanyoni Vdleni Arron	4704125391089
4.	Sibiya Riesile Johannes	5511155753088
5.	Mnisi Kholakele Elizabeth	5604220252088
6.	Malinga Khehli Johannes	3801245182082
7.	Sibiya Bhuti Thomas	5805045360085

Property:

No.	Property Description	Locality (District)	Current Title Deed No	Current Owner	Bonds and Restrictive Conditions (Interdicts)
	PORTION 9 OF TWEEFONTEIN 249 IS	Gert Sibande	T33861/1985	E.P.J JACOBSZ TRUST	N/A


For **DIRECTOR-GENERAL: DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM**

SIGNED BY: 
DEPUTY DIRECTOR: TENURE REFORM IMPLEMENTATION / LABOUR TENANTS
DULY AUTHORISED

DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT**NO. 1541****3 December 2021****LAND REFORM (LABOUR TENANTS) ACT, 1996 (ACT NO. 3 OF 1996)**

Notice is hereby given, in terms of Section 17 (2) (c) of the Land Reform (Labour Tenants) Act, 1996 (Act No 3 of 1996) ("the LTA"), that an Application for acquisition of land was lodged with the Director General of the Department of Land Affairs by the Applicants, and in respect of the Property set out in the Schedule.

Any party who may have an interest in the above-mentioned Application is hereby invited to make written representations to the Director General, within 30 days from the publication of this Notice. The representations must be forwarded to:

The Director General
c/o Deputy Director: Tenure Systems Implementation
Department of Agriculture, Land Reform and Rural Development
GERT SIBANDE REGINAL SHARED SERVICE CENTRE;
DIRECTORATE: TENURE REFORM IMPLEMENTATION; Private Bag X5020, Piet Retief,
2380; 91 Church Street, Piet Retief; Tel: 017 826 4363; Fax 017 826 4878; Web:
www.dalrrd.gov.za

File Reference: ET6/5SHR/11954

SCHEDULE**Applicants:**

No.	Name and Surname	Identity Number
1	Magagula Lizzan Ntombikhulu	340309 0178 08 1
2	Mbatha Amos Johan	480830 5611 08 1
3	Ntuli Julia	341118 0178 08 5
4	Simelane Nomvula Mina	420412 0315 08 4
5	Simelane Zondile Rebecca	660807 0304 08 8

6	Dlamini Saraphina Sibongile	550302 0729 08 1
7	Magagula Sbongile Ester	590407 0269 08 7
8	Mlangeni Khanyisile Emma	391115 0215 08 0
9	Mhlanga Mary Gcinaphi	660310 0323 08 3
10	Khanye Queen Elizabeth	530115 0398 08 6
11	Hlatshwayo Zodwa Selina	670326 0213 08 0
12	Khumalo Mbukeni Enock	571225 6126 08 2
13	Phakathi Jabulile Gretta	670522 0226 08 6
14	Khubeka Lizzie Thandi	610714 0419 08 3
15	Mandonsela Fana Steven	690420 5459 08 1
16	Ngwenya Zilethile Josephina	520105 0309 08 6
17	Lukhele Thoko Martha	530806 0434 08 3
18	Shongwe Nonhlanhla Staff	781027 0339 08 3
19	Msibi Mbuso Rabie	720207 5430 08 7
20	Manana Sipho Isaac	560326 5587 08 5
21	Khumalo Msebi Lisbeth	570902 0503 08 3
22	Nkosi Jortham Khekhe	660102 5409 08 6
23	Malaza Johanna Esther	361107 0190 08 8
24	Mabuza Solomon Nkosinathi	800705 5285 08 1
25	Maseko Johannes July	690727 5518 08 2
26	Nhlabathi Sigananda Alfred	510503 5247 08 1
27	Mabuza Nohgadla Meshark	490515 5535 08 7
28	Zungu Mandla James	680124 5334 08 6
29	Nsibande Fatima Beauty	560421 0308 08 0
30	Twala Nonthandazo Galina	280210 0191 08 6
31	Hlatshwayo Z. V	600105 0466 08 7
32	Zungu Zacharia Veli	720512 1243 08 1
33	Zungu Thangithini Idah	700820 0488 08 4

34	Madonsela Pomu Solomon	570827 5436 08 0
35	Malinga Fihliwe Getrude	331016 0155 08 1
36	Dhlamini Thabile Martha	570814 0563 08 4
37	Mkhaliphi Smangele Gladys	570630 0547 08 7
38	Hlatshwayo Mathambo Zachariah	310331 5122 08 4
39	Lukhele Thoko Jeneth	570712 0538 085
40	Magagula Nonhlangano Emmelina	600127 0416 08 6
41	Mabuza Lindiwe Constance	711107 0539 08 3
42	Mabuza Mandla John	650209 5485 08 1
43	Nene Khangezile Thema	661015 0307 08 0
44	Mathebula Sibongelaphi Gibson	530524 5305 08 9
45	Mkhonza Elias Mfanfikile	820105 5767 08 7
46	Manana John Mbuyiseni	670920 5374 08 5
47	Zungu Jabile Melina	460804 0322 08 9
48	Zungu Julius Mbhuti	610510 5644 08 3
49	Dhlamini Fikile Ntombikayise	690524 0269 08 8
50	Nkosi Sanele Maria	640902 0549 082
51	Mbatha Mbulawa Ephraim	No ID
52	Mbuyisi Maficangani Shadrack	380620 5446 082

Property:

No.	Property Description	Locality (District)	Current Title Deed No	Current Owner	Bonds and Restrictive Conditions (Interdicts)
1	PORTION 0(RE) OF THE FARM SLUIS 354 IT	MKHONDO LOCAL MUNICIPALITY	T143949/1998	MONDI SOUTH AFRICA PTY LTD	N/A


 For **DIRECTOR-GENERAL: DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT.**

SIGNED BY: SEBITISO THOKA
 DEPUTY DIRECTOR: TENURE SYSTEMS IMPLEMENTATION / LABOUR TENANTS
 DULY AUTHORISED

DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT

NO. 1542

3 December 2021

LAND REFORM (LABOUR TENANTS) ACT, 1996 (ACT NO. 3 OF 1996)

Notice is hereby given, in terms of Section 17 (2) (c) of the Land Reform (Labour Tenants) Act, 1996 (Act No 3 of 1996) ("the LTA"), that an Application for acquisition of land was lodged with the Director General of the Department of Land Affairs by the Applicants, and in respect of the Property set out in the Schedule.

Any party who may have an interest in the above-mentioned Application is hereby invited to make written representations to the Director General, within 30 days from the publication of this Notice. The representations must be forwarded to:

The Director General
c/o Deputy Director: Tenure Systems Implementation
Department of Rural Development and Land Reform
23 corner Henshall & Brander street, Home affairs Building 4th Floor
Nelspruit 1200. Tel: 0137522064; Fax: 013752820
File Reference: ET6/5/L

SCHEDULE**Applicants:**

No.	Name and Surname	Identity Number
1.	NTHOSANA ELIAS MAMPURU	3604275194082

Property:

No.	Property Description	Locality (District)	Current Title Deed No	Current Owner	Bonds and Restrictive Conditions
1.	PORTION 0 OF THE FARM DONKERHOEK 507 JT. MPUMALANGA PROVINCE	EHLANZENI	T16048/1995	BULLEN ALEXANDER JOHN	n/a



For DIRECTOR-GENERAL: DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

SIGNED BY: T.E. MOFAUNG.
DEPUTY DIRECTOR: LABOUR TENANTS
DULY AUTHORISE

DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT

NO. 1543

3 December 2021

GENERAL NOTICE IN TERMS OF SECTION 11 (A) (2) OF THE RESTITUTION OF LAND RIGHTS ACT, NO 22 OF 1994

WHEREAS a land claim was lodged by Elphas Mkhapheni Buthelezi on behalf of the Nyembe Development Trust, which claim was published in terms of section 11 (1) of the Restitution of Land Rights Act, No 22 of 1994 (as amended), herein referred to as the Act.

NOW THEREFORE NOTICE is hereby given in terms of section 11(A) (2) of the Act that at the expiry of **thirty (30) days** from the date of the publication of this notice in the Government Gazette, the notices of the claim previously published in terms of section 11 (1) of the Act under Notice No. 964 of 2008 published in Government Gazette No. 31322 dated 15 August 2008, will be amended to **EXCLUDE** the properties listed below, unless cause to the contrary is shown to the satisfaction of the Regional Land Claims Commissioner.

The details of Notice No. 1128 of 2006 published in Government Gazette No. 29133 dated 25 August 2006 include the following:

Reference No.	:	KRN6/2/2/E/50/0/0/66
Claimant	:	Elphas Mkhapheni Buthelezi on behalf of the Nyembe Development Trust
Property Description	:	see attached schedule
Total extent	:	see attached schedule
Owner	:	see attached schedule

Any party who may have an interest in the above mentioned land claim is hereby invited to make representations, within 30 days from the publication of this notice, as to show cause why the claim should not be amended in terms of section 11 (A) (4) of the Act.

The representations must be forwarded to

The Regional Land Claims Commissioner: KwaZulu-Natal
Private Bag X9120
Pietermaritzburg 3200

Tel: (033) 355-8400
Fax: (033) 342-3409

Submissions may also be delivered to African Life Building, Second Floor, 200 Church Street, Pietermaritzburg 3201.

LEBJANE MAPHUTHA
REGIONAL LAND CLAIMS COMMISSIONER: KWAZULU-NATAL
DATE:

SCHEDULE

NO.	PROPERTY DESCRIPTION	EXTENT	CURRENT TITLE DEED NO.	CURRENT OWNER	BONDS & RESTRICTIVE CONDITIONS (INTERDICTS)
1	Remainder of the farm Nyembe No. 184	5, 4947 ha	T31491/1996	Duiker Mining (Pty) Ltd	B20103/2002 K1182/1996RM K1353/1999RM K1557/52001RM K681/1989RM
2	Portion 1 of the farm Nyembe No. 184	59, 5800 ha	T58342/2004	Imbabala Support Systems cc	B20103/2002
3	Portion 4 of the farm Nyembe No. 184	47, 8417 ha	T12595/2006	Jan Daniel Foley	None
4	Portion 5 of the farm Nyembe No. 184	47, 8417 ha	T65712/2005	Gerhardus Jacobus Chalmers and Sanette Chalmers	B642028/2006
5	Remainder of Portion 8 of the farm Nyembe No. 184	990, 9879 ha	T4819/2001	NRC Inv (Pty) Ltd	None
6	Portion 9 of the farm Nyembe No. 184	331, 7834 ha	T7380/2004	Gunter Family Trust-Trustees	VA4226/2006
7	The farm Alpha No. 765	73, 2408 ha	T58342/2004	Imbabala Support Systems cc	B20103/2002
8	Portion 1 of the farm Sterkstroom A No. 344	96, 0773 ha	T27669/2004	Hlahlindlela Community Trust-Trustees	None
9	Portion 2 of the farm Sterkstroom A No. 344	1, 7854 ha	T27669/2004	Hlahlindlela Community Trust-Trustees	None
10	Portion 4 of the farm Sterkstroom A No. 344	143, 9416 ha	T27669/2004	Hlahlindlela Community Trust-Trustees	None
11	Remainder of Portion 5 of the farm Sterkstroom A No. 344	120, 0969 ha	T32570/1983	Abraham Paulus Roos	B6793/1994
12	Portion 6 of the farm Sterkstroom A No. 344	120, 0956 ha	T41311/2000	NRC Inv (Pty) Ltd	None
13	Remainder of the farm Sterkstroom B No. 720	286, 0019 ha	T20318/1994 T27669/2004 T27667/2004	Anlia Genis Hlahlindlela Community Trust-Trustees Greyling Welgevonden Trust-Trustees	None
14	Portion 1 of the farm Sterkstroom B No. 720	342, 6128 ha	T27669/2004	Hlahlindlela Community Trust-Trustees	None
15	Portion 3 of the farm Almansnek No. 114	47, 0007 ha	T12378/1984	Hand Jurie Myburgh	B288/2006 K3106/2003RM

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NO.	PROPERTY DESCRIPTION	EXTENT	CURRENT TITLE DEED NO.	CURRENT OWNER	BONDS & RESTRICTIVE CONDITIONS (INTERDICTS)
16	Remainder of Portion 4 of the farm Almansnek No. 114	2, 0732 ha	T2422/1914	Transnet Ltd	K3106/2003RM
17	Portion 5 of the farm Almansnek No. 114	0, 3600 ha	T444/1924	Transnet Ltd	I-3294/1979LG
18	Portion 6 of the farm Almansnek No. 114	1, 5137 ha	T444/1924	Transnet Ltd	I-3294/1979LG
19	Portion 7 of the farm Almansnek No. 114	10, 1171 ha	T9195/1992	Hans Jurie Myburgh	B288/2006
20	Portion 8 of the farm Almansnek No. 114	0, 4047 ha	T12378/1984	Hans Jurie Myburgh	B288/2006
21	Remainder of Portion 9 of the farm Almansnek No. 114	421, 4830 ha	T7129/1953	Gertrude Erica Mattison	I-3294/1979LG
22	Remainder of Portion 11 of the farm Almansnek No. 114	421, 4398 ha	T12378/1984	Hans Jurie Myburgh	B288/2006
23	Remainder of Portion 11 of the farm Almansnek No. 114	0, 0041 ha	T3641/1959	Transnet Ltd	None
24	Portion 15 of the farm Almansnek No. 114	0, 0364 ha	T11840/1988	Hans Jurie Myburgh	B288/2006
25	Portion 16 of the farm Almansnek No. 114	0, 7241 ha	T11840/1988	Hans Jurie Myburgh	B288/2006
26	Remainder of the farm Nootgedacht No. 278	47, 5433 ha	T28666/1996	Jakobus Ferdinand Potgieter	I-11185/2000AT VA4601/2007
27	Remainder of Portion 1 of the farm Nootgedacht No. 278	23, 1448 ha	T57669/2006	Lillian Sibongile Manyathi	None
28	Remainder of Portion 3 of the farm Nootgedacht No. 278	104, 2477 ha	T20373/2000	Gert Jakobus Coetzee and Christina Martina Coetzee	None
29	Portion 4 of the farm Nootgedacht No. 278	101, 1713 ha	T5350/1992	Johannes Christoffel Cronje and Hester Jacomina Elizabeth Cronje	None
30	Portion 5 of the farm Nootgedacht No. 278	101, 1713 ha	T30723/2007	Marthinus Wessel Pretorius Koekemoer	None
31	Portion 6 of the farm Nootgedacht No. 278	34, 9798 ha	T19140/2003	Adolf Willy Engelbrecht and Annamari Engelbrecht	B11015/2003 B23146/2005
32	Remainder of Portion 7 of the farm Nootgedacht No. 278	10, 3384 ha	T12262/2005	Rudolph Johannes Pretorius	B13822/2005 K26/1990s
33	Portion 10 of the farm Nootgedacht No. 278			Not Registered	
34	Portion 12 of the farm Nootgedacht No. 278			Not Registered	
35	Portion 14 of the farm Nootgedacht No. 278	228, 0893 ha	T30724/2007	Debbie Comins and Clayton G. Comins	B36903/2007

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NO.	PROPERTY DESCRIPTION	EXTENT	CURRENT TITLE DEED NO.	CURRENT OWNER	BONDS & RESTRICTIVE CONDITIONS (INTERDICTS)
36	Portion 1 of the farm Dagbreek No. 786	21, 0450 ha	T51709/2005	Roy Wilfred McSeveney and Janet Elaine McSeveney	None
37	Portion 2 of the farm Dagbreek No. 786	21, 0450 ha	T33552/2005	Ilse Monika Verster and Johann Frederich Verster	B36642/2005
38	Portion 5 of the farm Dagbreek No. 786	21, 0430 ha	T8662/1985	Salvatore William Fundaro	B8900/1985 VA3700/2005
39	Portion 6 of the farm Dagbreek No. 786	21, 0460 ha	T3814/1998	Siphiwe Lawrence Ndima	B57495/2004
40	Portion 7 of the farm Dagbreek No. 786	21, 0450 ha	T22184/2007	Hester Gertruida Petronella North	None
41	Portion 9 of the farm Dagbreek No. 786	22, 2698 ha	T14373/1975	Philippus Scheepers	None
42	Portion 12 of the farm Dagbreek No. 786	21, 4133 ha	T37714/2005	Pieter Willem Combrink	None
43	Portion 14 of the farm Dagbreek No. 786	20, 7599 ha	T63197/2004	Elizabeth Susanna Clack	B24258/2006
44	Portion 15 of the farm Dagbreek No. 786	20, 7610 ha	T34290/1993	Hervin Boerdery Hendrik Christoffel van Aswegen 4/Vernon Vincent Viljoen	B2075/1999 B50160/1993
45	Portion 16 of the farm Dagbreek No. 786	20, 7617 ha	T60484/2000	Erasmus Jacobus Myburgh	B35009/2000 VA181/2002
46	Portion 17 of the farm Dagbreek No. 786	20, 7625 ha	T52662/2000	Sandra Dorothea Annandale and Hercules Albertus Annandale	B36162/2000
47	Portion 19 of the farm Dagbreek No. 786	20, 7622 ha	T28154/1998	Three F Meat Traders cc	B22478/2002 B23323/1998
48	Portion 20 of the farm Dagbreek No. 786	20, 7630 ha	T12015/1978	Esther Susan van Jaarsveld	I-2184/1987LG
49	Remainder of Portion 3 of the farm Welgevonden No. 287	292, 9924 ha	T2766/2004	Hlahlindela Community Trust-Trustees	K1302/1993RM K634/1991RM
50	Portion 5 of the farm Welgevonden No. 287	399, 1485 ha	T5575/2007	Noord Vrystaat Graan & Vee (Edms) Bpk	B6726/2007. K1302/1993RM K634/1991RM
51	Portion 6 of the farm Welgevonden No. 287	228, 3771 ha	T8327/1945	Apostolic of Vicariate-Eshowe	K1302/1993RM K634/1991RM
52	Portion 7 of the farm Welgevonden No. 287	242, 3286 ha	T39138/2003	Vryheid Natal Railway Coal & Iron Co Ltd	K1302/1993RM K634/1991RM

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NO.	PROPERTY DESCRIPTION	EXTENT	CURRENT TITLE DEED NO.	CURRENT OWNER	BONDS & RESTRICTIVE CONDITIONS (INTERDICTS)
53	Portion 8 of the farm Welgevonden No. 287	346, 5828 ha	T32128/1993	Vryheid Natal Railway Coal & Iron Co Ltd	K1302/1993RM K634/1991RM
54	Remainder of Portion 9 of the farm Welgevonden No. 287	365, 1838 ha	T11889/2000	Shoba Boerdery BK	K1302/1993RM K634/1991RM
55	Portion 13 of the farm Welgevonden No. 287	110, 8416 ha	T1901/1985	Greyling Welgevonden Trust- Trustees	K634/1991RMN T6639/1939RM
56	Portion 16 of the farm Welgevonden No. 287	26, 3517 ha	T4097/1996	Shoba Boerdery cc	None
57	Portion 17 of the farm Welgevonden No. 287	20, 7629 ha	T19479/1998	Woti Mdhuli and Linet H. Mdhuli	K926/1992s
58	Portion 18 of the farm Welgevonden No. 287	20, 7620 ha	T52498/2004	Dabane Mdhilose	None
59	Portion 19 of the farm Welgevonden No. 287	20, 7629 ha	T18606/1979	Louis Johannes Labuschagne	I-4563/1985LG
60	Portion 20 of the farm Welgevonden No. 287	20, 7629 ha	T12713/1997	Johannes Jurgens du Plessis and Magdalena Johanna du Plessis	None
61	Portion 22 of the farm Welgevonden No. 287	20, 7608 ha	T9147/1997	Maria Magdalena du Plessis	VA1566/2005
62	Portion 23 of the farm Welgevonden No. 287	20, 7649 ha	T229*54/1997	Michael Banguyise Nkosi	None
63	Portion 24 of the farm Welgevonden No. 287	20, 7622 ha	T22954/1997	Michael Banguyise Nkosi	None
64	Portion 25 of the farm Welgevonden No. 287	20, 7634 ha	T22954/1997	Michael Banguyise Nkosi	None
65	Portion 26 of the farm Welgevonden No. 287	20, 7625 ha	T22954/1997	Michael Banguyise Nkosi	None
66	Portion 27 of the farm Welgevonden No. 287	20, 7632 ha	T38909/1994	Cuphowakhe Nciti Mhlongo	K926/1992s
67	Portion 28 of the farm Welgevonden No. 287	20, 7622 ha	T51846/2005	Daniel Wilhelm Adendorff and Karin Adendorff	None
68	Portion 30 of the farm Welgevonden No. 287	45, 0428 ha	T7279/2001	Jabulani John Mngomezulu and Thandi Aggrineth Mngomezulu	I-9325/2001LG I-9103/2001LG B38600/2004
69	Portion 31 of Portion 4 of the farm Welgevonden No. 287	45, 0039 ha	T7280/2001	Mbongiseni Elphas Malunga and Abigail Dumile Malunga	I-9325/2001LG I-9103/2001LG B38599/2004
70	Portion 32 of Portion 4 of the farm Welgevonden No. 287	45, 0049 ha	T7281/2001	Justice Siphamandla Dlodlo and Mabel Nonhlanhla Dlodlo	I-9325/2001LG I-9103/2001LG
71	Portion 33 of Portion 4 of the farm Welgevonden No. 287	45, 0035 ha	T41894/2001	Yipokuhle Tryphinah Nkosi	I-9325/2001LG I-9103/2001LG

6

NO.	PROPERTY DESCRIPTION	EXTENT	CURRENT TITLE DEED NO.	CURRENT OWNER	BONDS & RESTRICTIVE CONDITIONS (INTERDICTS)
72	Portion 34 of Portion 4 of the farm Welgevonden No. 287	45, 0001 ha	T41895/2001	Sithunya Skei Nkosi	I-9325/2001LG I-9103/2001LG
73	Portion 35 of Portion 4 of the farm Welgevonden No. 287	45, 0179 ha	T9782/2008	Corlia Sandra Myburgh	I-9325/2001LG I-9103/2001LG
74	Remainder of the farm Uitvlucht No. 319	251, 5478 ha	T27669/2004	Hlahindlela Community Trust-Trustees	K321/1988s
75	Remainder of Portion 1 of the farm Uitvlucht No. 319	638, 2282 ha	T19848/1997	Propalux 1032 cc	None

DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT

NO. 1544

3 December 2021

AMENDMENT NOTICE

GENERAL NOTICE IN TERMS OF SECTION 11 A (4) OF THE RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT NO. 22 OF 1994)

Amending Notice 1128 of 2006 published in *Government Gazette* No. 29133 on 25 August 2006 in respect of the Embo Community, under Reference No. KRN6/2/2/E/47/0/0/19 to EXCLUDE the properties listed in the schedule below:

NO.	PROPERTY DESCRIPTION	EXTENT	CURRENT TITLE DEED NO.	CURRENT OWNER	BONDS & RESTRICTIVE CONDITIONS (INTERDICTS)
1	Remainder of Portion 1 of the farm Keate Park 2 No. 5999	252, 4734 ha	T7532/1997	Sappi Manufacturing (Pty) Ltd	None
2	Portion 3 of the farm Keate Park 2 No. 5999	68, 8104 ha	T12527/2004	Highlynn Family Trust-Trustees	B10818/2004 K1235/1999s
3	Portion 4 of the farm Keate Park 2 No. 5999	66, 1333 ha	T7532/1997	Sappi Manufacturing (Pty) Ltd	None
4	Remainder of the farm New Garrett No. 1977	591, 2397 ha	T3210/1990	Masonite Africa Ltd	None
5	Remainder of Portion 1 of the farm New Garrett No. 1977	295, 5963 ha	T3210/1990	Masonite Africa Ltd	None
6	Portion 3 of the farm New Garrett No. 1977	295, 6433 ha	T3210/1990	Masonite Africa Ltd	None
7	Remainder of Portion 1 of the farm Umtwalume Falls No. 1895	178, 9386 ha	T7532/1997	Sappi Manufacturing (Pty) Ltd	K693/1972s
8	Portion 3 of the farm Umtwalume Falls No. 1895	6, 6394 ha	T22757/1982	Enid Janet Brown	I-2757/1977LG
9	Portion 7 of the farm Umtwalume Falls No. 1895	3, 4803 ha	T444/1972	Church of the Province of Southern Africa	None
10	Remainder of Portion 9 of the farm Umtwalume Falls No. 1895	81, 0896 ha	T26742/1993	Pitglas Produce cc	K211/1992s
11	Portion 1 of the farm Esperanza No. 1938	68, 9989 ha	T7532/1997	Sappi Manufacturing (Pty) Ltd	K96/1995s
12	Portion 2 of the farm Esperanza No. 1938	148, 3603 ha	T7532/1997	Sappi Manufacturing (Pty) Ltd	K96/1995s
13	Remainder of Portion 14 of the farm Esperanza No. 1938	10, 7138 ha	T28235/1999	Imperial Group (Pty) Ltd	None
14	Remainder of Portion 23 of the farm Esperanza No. 1938	279, 3885 ha	T10709/2003	Paul Shewan Family Trust-Trustees	B6187/2003
15	Portion 2 of the farm Lot BU No. 8358	10, 1224 ha	T5458/1956	Marianhill Mission Institute	None
16	Portion 3 of the farm Lot BU No. 8358	2, 0185 ha	T5458/1956	Marianhill Mission Institute	None
17	Portion 4 of the farm Lot BU No. 8358	161, 8744 ha	T13164/1981	Ingonyama Trust-Trustees	VA2048/1999
18	Portion 6 of the farm Lot BU No. 8358	52, 6092 ha	T20524/1984	Ingonyama Trust-Trustees	VA2093/1999
19	Remainder of the farm Kununata No. 11772	800 dum	T4132/1930	Alexander Henry Walker	None

NO.	PROPERTY DESCRIPTION	EXTENT	CURRENT TITLE DEED NO.	CURRENT OWNER	BONDS & RESTRICTIVE CONDITIONS (INTERDICTS)
20	Portion 7 of the farm Kununata No. 11772	899, 5079 ha	T7532/1997	Sappi Manufacturing (Pty) Ltd	None
21	Portion 8 of the farm Kununata No. 11772	120, 6472 ha	T7532/1997	Sappi Manufacturing (Pty) Ltd	None
22	Portion 18 of the farm Kununata No. 11772	426, 7159 ha	T7532/1997	Sappi Manufacturing (Pty) Ltd	None
23	Portion 19 of the farm Kununata No. 11772	24, 4965 ha	T1532/1994	Kununata cc	None
24	The farm Annabelle No. 15361			Not Registered	

LEBJANE MAPHUTHA
REGIONAL LAND CLAIMS COMMISSIONER: KWAZULU-NATAL
DATE:

DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT

NO. 1545


3 December 2021

**GENERAL NOTICE IN TERMS OF THE RESTITUTION OF LAND RIGHTS ACT, 1994
(ACT NO. 22 OF 1994)**

Notice is hereby given in terms of Section 11(1) of the Restitution of Land Rights Act, 1994 (Act No. 22 of 1994 as amended), that claim/s for restitution of land rights on:

REF NO.	CLAIMANT	PROPERTY	LOT NUMBER	DISTRICT	CURRENT OWNER	INTERESTED PARTIES
II 118	Mahomed Ismail	Lot 491 – 9 th Street, Asiatic Bazaar	Lot 491 – 9 th Street, Asiatic Bazaar	City of Tshwane Metropolitan Municipality	City of Tshwane Metropolitan Municipality	Department of Rural Development and Land Reform Johannesburg Metropolitan Municipality

has/have been submitted to the office of the Regional Land Claims Commission. The Commission on Restitution of Land Rights will investigate the claim in terms of the provisions of Rule 5 of the Rules Regarding Procedure of Commission Established in terms of section 16 of Restitution of Land Rights Act as amended. Any interested party on the claim is hereby invited to submit representations in terms of section 11A of the Restitution of Land Rights Act No. 22 of 1994 as amended within 21 (twenty one) working days from the publication date of this notice, any comments/information may be send to:


MR. L.H. MAPHUTHA
 The Regional Land Claims Commissioner
 Gauteng Province
 Private Bag X 03
ARCADIA
 0007
 TEL: (012) 310-6500/6620
 FAX: (012) 323-2961

DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT

NO. 1546

3 December 2021

GENERAL NOTICE IN TERMS OF THE RESTITUTION OF LAND RIGHTS ACT, 1994 (ACT 22 OF 1994)

AMENDMENT OF NOTICE 514 OF 2003 AS CONTAINED IN GOVERNMENT GAZETTE NUMBER 24938 IN RESPECT OF A LAND CLAIM LODGED BY

MR. MAHOMED HASSEN LOONAT, LAND CLAIM REFERENCED X 0109

Notice is hereby given in terms of Section 11A (4) of the Restitution of Land Rights Act, 1994 (Act 22 of 1994) read together with section 11(1) (c) of the Restitution of Land Rights Act, 1994 (Act 22 of 1994) as amended, that an amendment is hereby made to Gazette Notice No. 514 of 2003 contained in Government Gazette No. 24938 dated 28 February 2003. The Gazette Notice is amended to add the correct property details as follows:

REF NO	CLAIMANT	PROPERTY DESCRIPTION	CURRENT LANDOWNERS	BONDS / NO BONDS	DEED OF TRANSFER	INTERESTED PARTIES
X 0109	Mr. Mahomed Hassen Loonat	Erf Eldorado Park Ext 9	Evan Wayne & Ursula Gillian Kelly		T18196/1997	Land Claimants Current Landowners;
		Erf Eldorado Park Ext 9	Jo-Ann Angela & Irvin Thomas Bridger		T3162/2003	City of Johannesburg Metropolitan Municipality
		Erf Eldorado Park Ext 9	Mabel Margaret Ramashu		T55994/2008	
		Erf Eldorado Park Ext 9	Mary Lena Major		T45462/2006 T35886/2016	
		Erf Eldorado Park Ext 9	Wilfred Victor Denis & Chantal Elizabeth Mokhati	ABSA Bank Ltd B21620/2008 B33209/2007	T37767/2005	
		Erf Eldorado Park Ext 9	Gladys Monica B-E Arendse		T21888/2012	
		Erf Eldorado Park Ext 9	Earl Thomas Xavier & Jeanette Claudia Appolis		T17545/2016	
		Erf Eldorado Park Ext 9	Rosann van Wyk	ABSA Bank Ltd B26296/2012	T36029/2012	

Erf Eldorado Ext 9	7677 Park	Aldeth Denise & Winston Johh Barkely		T56613/2003
Erf Eldorado Ext 9	7678 Park	City Johannesburg; Errol Ronald & Henrietta Ziporah Matilda Davies		T37300/1993 T42813/2001
Erf Eldorado Ext 9	7679 Park	Jansen Magdalene		T34925/2010
Erf Eldorado Ext 9	7680 Park	Raymond Francis & Shanaas Yarrow	Standard Bank of South Africa Ltd B10885/2010 B11012/2009 B14569/2005 B20162/2007 B35759/2006 B62059/2006 B77308/2005	T11000/2005
Erf Eldorado Ext 9	7681 Park	Abdul Razack & Rose Minie Ali		T2583/2003
Erf Eldorado Ext 9	7682 Park	Dalton Gary & Felicia Antonette Geduld	Firststrand Bank Ltd B4003/2007 B46660/2000	T60525/2000
Erf Eldorado Ext 9	7700 Park	Beverly Anastasia Jamieson		T18777/2003
Erf Eldorado Ext 9	7701 Park	Jerome Algernon & Corlett Leslie-Ann Taylor	Firststrand Bank Ltd B104727/2006 B37499/2004 B9202/2012	T37825/2004
Erf Eldorado Ext 9	7702 Park	Navel & Deborah Sophia Camp		T18687/2003

	Portion of Eliot Street	City of Johannesburg Metropolitan Municipality		
	Portion of Cook Place Street	City of Johannesburg Metropolitan Municipality		

Take further notice that the Commission on Restitution of Land Rights will investigate the claim in terms of the provisions of Rule 5 of the Rules Regarding Procedure of Commission Established in terms of section 16 of Restitution of Land Rights Act as amended. Any interested party on the claim is hereby invited to submit, representations in terms of section 11A of the Restitution of Land Rights Act 22 of 1994 as amended within 90 (ninety) working days from the publication date of this notice, any comments/information may be send to:

Chief Directorate: Land Restitution Support Gauteng Province
Private Bag X03
ARCADIA
0007

Tel: (012) 310-6500
Fax: (012) 324-5812


MR. L.H. MAPHUTHA
REGIONAL LAND CLAIMS COMMISSIONER

DATE: 2021/11/16

DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT

NO. 1547

3 December 2021

**GENERAL NOTICE IN TERMS OF THE RESTITUTION OF LAND RIGHTS ACT, 1994
(ACT NO. 22 OF 1994)**

Notice is hereby given in terms of Section 11(1) of the Restitution of Land Rights Act, 1994 (Act No. 22 of 1994 as amended), that claim/s for restitution of land rights on:

REF NO.	CLAIMANT	PROPERTY	LOT NUMBER	DISTRICT	CURRENT OWNER	INTERESTED PARTIES
X 0012	Tamsamba Michael TShabalala	Portion 95 of 299 Klipriviersoog IQ, Kiptown	Portion 95 of 299 Klipriviersoog IQ, Kiptown	Johannesburg Metropolitan Municipality	Johannesburg Metropolitan Municipality	Department of Rural Development and Land Reform Johannesburg Metropolitan Municipality

has/have been submitted to the office of the Regional Land Claim Commission. The Commission on Restitution of Land Rights will investigate the claim in terms of the provisions of Rule 5 of the Rules Regarding Procedure of Commission Established in terms of section 16 of Restitution of Land Rights Act as amended. Any interested party on the claim is hereby invited to submit representations in terms of section 11A of the Restitution of Land Rights Act No. 22 of 1994 as amended within 21 (twenty one) working days from the publication date of this notice, any comments/information may be send to:


MR. L.H. MAPHUTHA
 The Regional Land Claims Commissioner
 Gauteng Province
 Private Bag X 03
ARCADIA
 0007
 TEL: (012) 310-6500/6620
 FAX: (012) 323-2961

DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT

NO. 1548

3 December 2021

GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 [ACT 22 OF 1994] AS AMENDED

Notice is hereby given in terms of **Section 11[1] of the Restitution of the Land Rights Act 1994 [Act 22 of 1994]** as amended, that a **Land claim for Restitution of Land Rights** has been lodged by the late by **Ms.Siphiwe Vilakazi ID No: 741106 0862 085** on behalf of **Ntumbi family** on the properties mentioned here under situated in **Mkhondo Local Municipality, Gert Sibande District in Mpumalanga Province (KRP: 2067)**

CURRENT PARTICULARS OF THE PROPERTY

IDALIA 496 IT

Description of property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
Portion 16	Sappi Manufacturing PTY LTD	T58466/1999	184.4855ha The family is only 1.4160ha	B 4949/2009	SAPPI LTD	K2666/1989S

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above-mentioned property is hereby invited to submit within **30 [Thirty days]** from the date of publication of this notice to submit any comments, or further information to:

Commissioner for Restitution of Land Rights

Private Bag X11330

Nelspruit

1200

Or 30 Samora Machel Drive

Nelspruit

1200

Tel No: 013 756 6000

Fax No: 013 752 3859

.....
MR L.H MAPHUTHA
REGIONAL LAND CLAIM
MPUMALANGA
DATE: 2021/11/18

DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT

NO. 1549

3 December 2021

GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 [ACT 22 OF 1994] AS AMENDED

Notice is hereby given in terms of Section 11(1) of the Restitution of the Land Rights Act 1994 [Act 22 of 1994] as amended, that a land claim for Restitution of Land Rights has been lodged by **Mr. Marthinus Andries Wilhemus Prinsloo ID. NO. 0805295003000** on behalf of the **Prinsloo** family on the property mentioned hereunder situated in **Thembisile Hani Local Municipality, Nkangala District Mpumalanga Province: KRP 13278**

CURRENT PARTICULARS OF THE PROPERTY**NOOITGEDACHT 436 JR**

Description of property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
Portion 15	National Government of the Republic of South Africa	T18020/2014	151.4063	None	None	None

Notice is hereby given in terms of Section 11[1] of the Restitution of the Land Rights Act 1994 [Act 22 of 1994] as amended, that a Land claim for Restitution of Land Rights has been lodged by Mr. Marthinus Andries Wilhemus Prinsloo ID. NO. 0805295003000 on behalf of the Prinsloo family on the property mentioned hereunder situated in Thembisile Hani Local Municipality, Nkangala District in Mpumalanga Province: KRP: 13278

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above-mentioned property is hereby invited to submit within **30 [thirty days]** from the date of publication of this notice to submit any comments, or further information to:

Commissioner for Restitution of Land Rights
Private Bag X7201
Witbank
1035

or Shop No. E 8
Saveways Crescent Centre
Cnr OR Tambo and Mandela Street
Witbank
1035

TEL NO: 013 – 655 1000
FAX NO: 013 – 690 3438

CHECKED BY: MS. T. MATHEBULA
RESTITUTION ADVISOR
DATE: 16/08/2021

MR. L.H. MAPHUTHA
REGIONAL LAND CLAIMS COMMISSIONER
MPUMALANGA PROVINCE
DATE: 20/10/2021

DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT

NO. 1550

3 December 2021

GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 [ACT 22 OF 1994] AS AMENDED

Notice is hereby given in terms of Section 11[1] of the Restitution of the Land Rights Act 1994 [Act 22 of 1994] as amended, that a Land claim for Restitution of Land Rights has been lodged by the late by Ms. Siphwe Viliakazi ID No: 741106 0862 085 on behalf of Ntumbi family on the properties mentioned here under situated in Mkhondo Local Municipality, Gert Sibande District in Mpumalanga Province (KRP: 2067)

CURRENT PARTICULARS OF THE PROPERTY

IDALIA 496 IT

Description of property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
Portion 16	Sappi Manufacturing PTY LTD	T58466/1999	184.4855ha The family is only 1.4160ha	B 4949/2009	SAPPI LTD	K2666/1989S

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above-mentioned property is hereby invited to submit within **30 [Thirty days]** from the date of publication of this notice to submit any comments, or further information to:

Commissioner for Restitution of Land Rights

Private Bag X11330

Nelspruit

1200

Or 30 Samora Machel Drive

Nelspruit

1200

Tel No: 013 756 6000

Fax No: 013 752 3859

.....
MR L.H MAPHUTHA
REGIONAL LAND CLAIM
MPUMALANGA
DATE: 22/11/21

DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT

NO. 1551

3 December 2021

AMENDING GOVERNMENT NOTICE NO: 1172 OF 2018 IN THE GOVERNMENT GAZETTE NO: 41996 DATED 26 OCTOBER 2018

Notice is hereby given in terms of Section 11A [4] of the Restitution of the Land Rights Act 1994 [Act 22 of 1994] as amended, that the Commissioner for Restitution of Land Rights is amending the said Gazette Notice due to the fact that the hectares recorded in the said Gazette Notice are not correlating with the ones recorded in the approved research report, in particular the hectares for Portion 42. The approved research report recorded that the Mtsweni family land claim only affects 43,7644 hectares of the total extent of 74,9582, yet in the said Gazette Notice the affected hectares for Portion 42 were erroneously recorded as 60,0703 hectares. Secondly, the ownership of the affected property has changed after the publication of the said Gazette Notice. The said Gazette Notice recorded the owner of Portion 42 as Modise Belabela Isaac, yet AKTEX report recorded the current land owner as Maritha Agatha Janse Van Vuuren. The affected Property is situated at Goven Mbeki Local Municipality, Gert Sibande District, Mpumalanga Province.

GROOTVLEI 293 IS

Description of property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
Portion 14 of the farm 293 IS	Shisela Construction Services PTY LTD (199901613507)	T15023/2015	53,4662 Hectares	B5148/2016	Sasol Siyakha Enterprise & Supplier Dev. Trust	None
Portion 42 of the farm 293 IS	Maritha Agatha Janse Van Vuuren (700128 0055 089)	T13567/2018	74,9582 Hectares	None	None	None

NB: The total hectares affected by the land claim on Portion 14 are 16,3059 ha of the 53,4662 ha and on Portion 42, the total hectares affected by the land claim are 43,7644 ha of the 74,9582 ha.

Notice is hereby given in terms of **Section 11A [4] of the Restitution of the Land Rights Act 1994 [Act 22 of 1994] as amended**, that the **Commissioner for Restitution of Land Rights** is amending the said Gazette Notice due to the fact that the hectares recorded in the said Gazette Notice are not correlating with the ones recorded in the approved research report, in particular the hectares for Portion 42. The approved research report recorded that the Mtsweni family land claim only affects 43.7644 hectares of the total extent of 74.9582, yet in the said Gazette Notice the affected hectares for Portion 42 were erroneously recorded as 60.0703 hectares. Secondly, the ownership of the affected property has changed after the publication of the said Gazette Notice. The said Gazette Notice recorded the owner of Portion 42 as Modise Belabela Isaac, yet AKTEX report recorded the current land owner as Maritha Agatha Janse Van Vuuren. The affected Property is situated at Goven Mbeki Local Municipality, Gert Sibande District, Mpumalanga Province.

The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above-mentioned property is hereby invited to submit within **30 [thirty days]** from the date of publication of this notice to submit any comments, or further information to:

Commissioner for Restitution of Land Rights
30 Samora Machel Drive
Nelspruit, 1200
Tel No: 013 756 6000
Fax No: 013 752 3859



MR L.H. MAPHUTHA
THE REGIONAL LAND CLAIMS COMMISSIONER
MPUMALANGA PROVINCE

DATE:

2021/10/24

DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT

NO. 1552

3 December 2021

GENERAL NOTICE IN TERMS OF RESTITUTION OF LAND RIGHTS ACT, 1994 [ACT 22 OF 1994] AS AMENDED

Notice is hereby given in terms of Section 11[1] of the Restitution of the Land Rights Act 1994 [Act 22 of 1994] as amended, that a Land claim for **Restitution of Land Rights** has been lodged by **Mr. Jacob Mnyakeni ID. NO. 4112285205083** on behalf of the **Mnyakeni Family** on the property mentioned hereunder situated in **Emalahleni Local Municipality, Nkangala District in Mpumalanga Province: KRP: 1368**

CURRENT PARTICULARS OF THE PROPERTY

DOORNRUG 302 JS

Description of property	Owner of Property	Title Deed Number	Extent of Property	Bonds	Bond Holder	Other Endorsements
Portion 11 (Remaining Extent)	Madini Mining (Pty) Ltd	T10729/2017	419.7150 Ha	None	None	<ul style="list-style-type: none"> • K1580/1982RM • K2816/1979RM • K2881/2002RM • K2978/1981 • K3435/1979RM • VA23895/2000 • VA2771/1989-K227/86R


The Regional Land Claims Commissioner, Mpumalanga Province will investigate all the claims in terms of the provisions of the Act, any party interested in the above-mentioned property is hereby invited to submit within 30 [thirty days] from the date of publication of this notice to submit any comments, or further information to:

Commissioner for Restitution of Land Rights
Private Bag X7201
Witbank
1035

OR

Shop No. E 8
Saveways Crescent Centre
Cnr OR Tambo and Mandela Street
Witbank
1035

TEL NO: 013 – 655 1000
FAX NO: 013 – 690 3438


MR. L. H. MAPHUTHA
REGIONAL LAND CLAIMS COMMISSIONER
MPUMALANGA PROVINCE
DATE: 2021/05/06

DEPARTMENT OF HIGHER EDUCATION AND TRAINING

NO. 1552

3 December 2021

HIGHER EDUCATION ACT, 1997 (Act No. 101 of 1997)**AMENDED INSTITUTIONAL STATUTE OF THE MANGOSUTHU
UNIVERSITY OF TECHNOLOGY**

I, Dr Bonginkosi Emmanuel Nzimande, Minister of Higher Education, Science and Innovation, in accordance with section 33 (1) of the Higher Education Act, 1997 (Act No. 101 of 1997) hereby publish the amended Institutional Statute of the Mangosuthu University of Technology set out in the Schedule hereto, which comes into operation on date of publication hereof.

**Dr BE Nzimande, MP****Minister of Higher Education, Science and Innovation****Date:** 05/11/2021



INSTITUTIONAL STATUTE as amended

The Council of Mangosuthu University of Technology has, after consultation with Senate, made the Statute set out in the schedule to this notice, in accordance with Section 32 of the Higher Education Act, 1997 (Act No. 101 of 1997), as amended, which after submission to and approval by the Minister, in terms of provisions of Section 33 of the said Act, is hereby published by Gazette and comes into operation on the date of its publication.

SCHEDULE

To introduce the amended Statute for Mangosuthu University of Technology to give effect to the Higher Education Act, 101 of 1997, as amended and to promote the effective and responsible management and governance of the University in respect of matters not expressly prescribed by any law.



Statute of Mangosuthu University of Technology

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Statute of Mangosuthu University of Technology

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Statute of Mangosuthu University of Technology

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Statute of Mangosuthu University of Technology**PREAMBLE**

Whereas it is the vision of Mangosuthu University of Technology (MUT) to be a pre-eminent academic institution through the scholarships of teaching, learning, applied research, community engagement and technology transfer, and is desirous of addressing the challenges in society through partnerships with the community and industry;

And whereas it is necessary to provide the regulation of Mangosuthu University of Technology in the manner that the Higher Education Act, 1997 (Act No 101 of 1997, as amended) requires;

The Council of Mangosuthu University of Technology, has developed this Statute to regulate its governance.

**Statute of Mangosuthu University of Technology****DEFINITIONS**

In this Statute, any word or expression to which a meaning has been assigned by the Higher Education Act, 1997 (Act No. 101 of 1997), as amended, has the meaning so assigned to it, and unless the context otherwise indicates:

“Academic employee” means any person appointed by Council after consultation with the Senate or a committee mandated by Senate to a teaching or research post at the University and any other employee designated as such by Council;

“Administrative and support employee” means any person appointed by the Council to perform an administrative or support function, other than academic employees;

“Act” means the Higher Education Act, 1997 (Act No. 101 of 1997), as amended;

“Chancellor” means the titular head of MUT, with functions contemplated in subparagraph 6 of this Statute;

“Charter” means a set of approved Rules describing the composition, mandate and functioning of a committee of Council, Senate or any other statutory structure;

“Compliance Officer” means the Registrar, who should, inter alia, monitor that the University does not contravene any legislation or regulations or rules which apply to its activities;

“Convocation” means the body composed in accordance with subparagraph 51 of this Statute;

“Council” means the governing body of the University contemplated in Section 27(4) of the Act and composed in accordance with subparagraph 13.1 of this Statute;

“Day” means a calendar day;

“Departmental manager(s)” means a senior manager who is reporting to an executive head, is responsible for managing resources and outputs and other persons as may be determined by the Executive Management Committee and as approved by Council;

“Donor” means a natural or juristic person, who has made a donation which, in the opinion of Council warrants that person’s recognition as a donor, as contemplated in subparagraph 59 of this Statute;

“Employee” means an academic or an administrative or a support staff member appointed by the Council in terms of its policies, rules and conditions of service;

“Employer” means Council of the University as contemplated in Section 34(1) (1) of the Act;

“Executive head” means a senior manager responsible for managing a portfolio of departments and reports to the Vice-Chancellor;



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“Executive management committee” means a committee composed in accordance with subparagraph 10.1 of this Statute;

“Functions” includes powers and duties or such delegated or mandated powers and duties by a competent authority;

“Graduate” means a person who has obtained a qualification of an institution;

“Institutional Forum” means the body contemplated in Section 31 of the Act and composed in accordance with subparagraph 37 of this Statute;

“Minister” means the Minister responsible for Higher Education;

“Office bearer” means a functionary provided for in the Act, including the Chancellor, Vice-Chancellor, the Deputy Vice-Chancellor(s) and the Registrar or as may be determined by Council;

“Professor” means an academic employee or any other person who has been given the status and title of senior professor or professor and excludes emeritus, extraordinary, visiting, associate and honorary professors;

“Qualification” means any formal qualification registered on the respective sub-framework and includes a certificate, diploma or degree as approved by the Senate and Council;

“Representative employee organisation” means an employee organisation which is recognised by Council and is registered in accordance with the Labour Relations Act, 1995 (Act 66 of 1995), as amended;

“Rules” means the Institutional Rules of the University contemplated in Section 32 of the Act and approved by Council;

“Senate” means the body contemplated in Section 28 of the Act and composed in accordance with subparagraph 25 of this Statute;

“Senior manager(s)” means a management employee who either is an executive head or their direct report;

“Student Representative Council (SRC)” means the body contemplated in Section 35 of the Act and composed in accordance with subparagraph 47 of this Statute;

“Student” means any person registered at the University for full-time or part-time studies. Such registration is valid for one year;

“University” means Mangosuthu University of Technology (abbreviated as MUT).



Statute of Mangosuthu University of Technology

Chapter 1 - THE UNIVERSITY

1 Name, seat and powers

- a. The name of the University is Mangosuthu University of Technology.
- b. Mangosuthu University of Technology is a university established in terms of the Act and is a juristic person as contemplated in Section 20(4) of the Act.
- c. The University has its seat at No. 511 Griffiths Mxenge Highway, Umlazi, Durban, KwaZulu-Natal, 4001, in accordance with Section 65A of the Act.
- d. The University may confer degrees and honorary degrees and award diplomas and certificates in its own name subject to this institutional statute and Sections 65B and 65C of the Act.
- e. The Council may, in consultation with the Senate, withdraw and revoke any degree, diploma, certificate or other qualification that was awarded as contemplated in Section 65BA of the Act.
- f. The University may not, without the concurrence of the Minister, dispose of or alienate in any manner, any immovable property acquired with the financial assistance of the State or grant to any person any real right therein or servitude thereon.

2 Language policy

- a. The language of tuition of the University is English, except where a particular language is taught, in which event that language is also used.
- b. The languages of communication of the University are English and isiZulu depending on the nature of communication and practicality.
- c. The University is committed to promoting multilingualism and the academic development of the official languages of South Africa through its programmes.

3 Composition of the university

- a. The University consists of the following:
 - i. All its property, plant, equipment and assets;
 - ii. Chancellor;
 - iii. Vice-Chancellor;
 - iv. Deputy Vice-Chancellor(s);
 - v. Registrar;
 - vi. Academic employees;
 - vii. Administrative and support employees; and
 - viii. Students.



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- b. The University has the following bodies and structures:
 - i. Council and its committees;
 - ii. Senate and its committees;
 - iii. Convocation;
 - iv. Student Representative Council;
 - v. Institutional Forum;
 - vi. Such faculties, academic departments, centres, institutes and units as well as support services as Council may establish; and
 - vii. Such other structures that the Council may deem necessary.
- c. No vacancy in any of the offices contemplated in subparagraph 3 (a) nor any deficiency in the numbers or defect in the composition of the bodies or structures contemplated in subparagraph 3 (b) impairs or affects the existence of the University as a juristic person or any function conferred by the Act or this Statute upon the University, provided that no resolution of Council or of Senate shall be valid unless passed at a meeting at which a quorum was present and the rules relating to any such meeting have materially been complied with, further provided a meeting cannot lose its quorum once constituted.

4 University Promise

- a. Council is the ultimate custodian of the university brand, its good name and reputation and shall do everything to ensure that it is a university and partner of choice for students, alumni, staff and stakeholders.

5 University Crest

- a. Council shall approve the crest and the university colours.

**Statute of Mangosuthu University of Technology****Chapter 2 - OFFICE BEARERS****6 The Chancellor****6.1 Functions of the Chancellor**

- a. The Chancellor is the titular head of the University, and shall exercise no executive powers.
- b. The Chancellor must at all times embody the aspirations of the University and actively advance the interests of the University.
- c. The Chancellor shall confer all degrees and award all diplomas and certificates in the name of the University.
- d. In the absence of the Chancellor, the Vice-Chancellor or in his or her absence, any of the Deputy Vice-Chancellors, who may act on behalf of the Chancellor at all congregations of the University, confers all degrees and awards all diplomas and certificates in the name of the University.
- e. The Chancellor performs such other functions as are assigned to him or her by Council.

6.2 Election and appointment of the Chancellor

The Chancellor is elected by Council in the following manner:

- a. The Chairperson of Council determines the date on which a meeting of Council is to be held for the purpose of electing a Chancellor;
- b. The meeting contemplated in subparagraph 6.2(a) above must be constituted in accordance with Council meeting procedures in subparagraph 23.4 of this Statute;
- c. The Secretary to Council gives due notice to the members of Council of the date, time of and venue for the meeting contemplated in subparagraph 6.2(a);
- d. The Secretary to Council invites the members of Council and the members of the Institutional Forum to submit nominations for the office of the Chancellor;
- e. The nominations contemplated in subparagraph 6.2(d) must be in writing and must include the nominees' written consent and complete Curriculum Vitae;
- f. The nominations contemplated in subparagraph 6.2(d) must reach the Secretary to Council at least twenty-eight days before the meeting contemplated in subparagraph 6.2(a);
- g. The Secretary to Council must, within seven days after the closing date for nominations, inform members of Council and the Institutional Forum in writing of the nominations received;
- h. A special meeting of the Institutional Forum must be held before the meeting contemplated in subparagraph 6.2(a) for purposes of considering the nominations and advising Council on the appointment of a candidate to the office of Chancellor;
- i. The Chancellor is elected by a majority of the members present at the meeting contemplated in subparagraph 6.2(a) through a secret ballot;
- j. If no candidate receives a majority of votes, successive rounds of voting are held;

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- k. In each successive round of voting, the candidate receiving the fewest votes is eliminated as a candidate. The Chairperson shall have a casting and deliberative vote. In a case of equality of votes, the Chairperson of Council has a casting vote; and
- l. After Council has elected a Chancellor, the name of the Chancellor is announced by the Chairperson of Council.

6.3 Term of office of the Chancellor

- a. The Chancellor holds office for a period of four years.
- b. The Chancellor may be re-elected, provided that a person may not serve as a Chancellor for more than two consecutive terms of office.
- c. If the Chancellor is unable, for any reason, to perform the functions of his or her office, or if the office of Chancellor becomes vacant, the Vice-Chancellor and Principal or the Acting Principal performs the functions of the Chancellor.
- d. The term of office of the Chancellor terminates in the event of:
 - i. Death or incapacity;
 - ii. Resignation,
 - iii. Removal from office by Council;
 - iv. Imprisonment without the option of a fine;
 - v. Conviction by a court of law for crimes that may bring the university into disrepute; or
 - vi. Expiry of the term of office.
- e. The Chancellor may only be removed from office by Council by means of a resolution passed by at least two-thirds of the members of Council. Without limiting the generality of this, the resolution contemplated may not be passed without prior notice to the Chancellor of the pending motion for his or her removal and the reasons therefore, and the Chancellor must be provided with a reasonable opportunity to present his or her case.
- f. If the office of the Chancellor becomes vacant, the Council must, as soon as possible, elect a new Chancellor in accordance with the procedures prescribed in this Statute or such Institutional Rules.

7 The Vice-Chancellor and Principal**7.1 Appointment of the Vice-Chancellor and Principal**

- a. The Council appoints the Vice-Chancellor and Principal in accordance with the rules, after consultation with Senate and taking into consideration the advice of the Institutional Forum.
- b. The advertising of the post, the invitation for the nomination of candidates, the search for suitable candidates, the criteria for the shortlisting of candidates, and the interviewing and appointment processes are accomplished in a manner determined by Council.

7.2 Terms of appointment of the Vice-Chancellor and Principal

- a. A Vice-Chancellor is appointed for an initial term of not more than five years.

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- b. A Vice-Chancellor may be appointed for an additional term of office of not more than five years, as determined by Council, following a review process as contemplated in the Rules and after consultation with Senate and the Institutional Forum.

7.3 Duties and Accountability

- a. The Vice-Chancellor and Principal is:
 - i. The chief executive and accounting officer of the University;
 - ii. The legal, administrative and academic head of the University; and
 - iii. Responsible for the day-to-day management and administration of the University.
- b. The Vice-Chancellor is accountable for the performance and execution of his/her duties and functions to Council and thus reports to it.
- c. The Council shall delegate to the Vice-Chancellor all the powers necessary to perform his or her duties.
- d. The Vice-Chancellor and Principal is an ex-officio member of all the committees of Council and Senate, unless otherwise provided for in the Statute or the Institutional Rules.
- e. In the absence of the Chancellor, or when the office of Chancellor is vacant, the Vice-Chancellor may exercise any official duty of the Chancellor.
- f. The Vice-Chancellor has a responsibility to advise the University community and stakeholders on the activities and performance of the University.

7.4 Relinquishing of office

- a. The Council may, after following due process as set out in the Institutional Rules, discharge a Vice-Chancellor from office by a vote with the support of two thirds of all the members of the Council (excluding any vacancies on Council that may exist) on the following grounds:
 - i. Serious misconduct;
 - ii. Operational requirements;
 - iii. Incapacity;
 - iv. Persistent poor performance; and
 - v. Any other reason sufficient in law.

7.5 Appointment of an Acting Vice-Chancellor

- a. An Acting Vice-Chancellor shall be appointed only from one of the Deputy-Vice-Chancellors unless in exceptional circumstances approved by Council.
- b. Procedure for the appointment of the Acting Vice-Chancellor shall be in accordance with the Institutional Rules approved by Council.
- c. An Acting Vice-Chancellor may exercise and perform all the powers, functions and duties of the substantive Vice-Chancellor unless limited by specific directive of the Chairperson of Council as the case may be.

7.6 Filling of vacancy in the office of the Vice Chancellor and Principal

- a. If the office of the Vice-Chancellor becomes vacant for whatever reason, the Council must appoint an Acting Vice-Chancellor, as provided for in 7.5(a), in accordance with

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the Institutional Rules and after consulting with Senate and the Institutional Forum, to act as Vice-Chancellor until the position of a Vice-Chancellor is filled.

- b. A successor must be appointed not later than a year after the vacancy arose.
- c. A person(s) may not act as an Acting Vice-Chancellor for a continuous or cumulative period of 12 months.

8 Deputy Vice Chancellor(s)**8.1 Appointment of the Deputy Vice-Chancellors**

- a. The Council must appoint a Deputy Vice-Chancellor(s) after complying with the procedures set out in the Statute and the Institutional Rules after consultation with the Vice-Chancellor, the Senate and the Institutional Forum.
- b. A person considered for appointment as a Deputy Vice-Chancellor should not be ineligible or disqualified in accordance with the criteria set for a Vice-Chancellor in the Statute and the Institutional Rules, wherever provided.

8.2 Terms of appointment of Deputy Vice-Chancellors

- a. The terms of appointment of Deputy Vice-Chancellors must be determined by Council, on the recommendation of the Vice-Chancellor.
- b. A Deputy Vice-Chancellor is appointed for an initial term of not more than five years, renewable for not more than a further term of five years.
- c. A Deputy Vice-Chancellor is eligible for re-appointment in accordance with the rules in line with a performance based contract of employment.

8.3 Duties and Accountability

- a. A Deputy Vice-Chancellor is accountable to the Vice-Chancellor and is responsible for assisting the Vice-Chancellor in the management and administration of the University.
- b. Unless, determined otherwise by the Council, the Deputy Vice-Chancellor(s) are, members of all the committees of the Senate.

8.4 Relinquishing of office

- a. The Council may, after following due process as set out in the Institutional Rules, discharge a Deputy Vice-Chancellor from office by a vote with the support of two-thirds of all members of the Council (excluding any vacancies on Council that may exist) on any or all of the following grounds:
 - i. Serious misconduct;
 - ii. Operational requirements;
 - iii. Incapacity;
 - iv. Persistent poor performance;
 - v. Any other reason sufficient in law.

8.5 Appointment of an Acting Deputy Vice-Chancellor

- a. Procedure for the appointment of the acting Vice-Chancellor shall be in accordance with the institutional rules approved by Council.

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- b. An Acting Deputy Vice-Chancellor has the same duties, functions, powers and responsibilities as a substantive Deputy Vice-Chancellor unless determined otherwise by Council at the recommendation of the Vice-Chancellor.

8.6 Filling of vacancies of Deputy Vice-Chancellors

- a. At least six (6) months prior to the office of a Deputy Vice-Chancellor becoming vacant due to the effluxion of time, the Registrar, must notify, in writing, every member of the Council, the Senate and the Institutional Forum, and the Council must appoint a new Deputy Vice-Chancellor in accordance with subparagraph 8.2.
- b. In the event of a vacancy for any other reason, the Registrar must bring the notice in the manner determined in subparagraph 8.6(a).

9 The Registrar**9.1 Appointment of the Registrar**

- a. The Council must appoint a Registrar in compliance with the procedures set out in the Statute and the Institutional Rules after consultation with the Senate and the advice of the Institutional Forum.

9.2 Terms of appointment of the Registrar

- a. The terms of appointment of the Registrar must be determined by Council, on the recommendation of the Vice-Chancellor.
- b. A Registrar is appointed for an initial term of not more than five years, renewable for not more than a further term of five years.
- c. A Registrar is eligible for re-appointment in accordance with the rules in line with the performance-based contract of employment.

9.3 Duties and Accountability

- a. The Registrar is accountable to the Vice-Chancellor and is responsible for assisting the Vice-Chancellor in the academic administration of the University.
- b. The Registrar is the Secretary to Council as contemplated in Section 26 of the Act.
- c. The Registrar is the electoral officer for all statutory bodies at the University.
- d. The Registrar attends all meetings and keeps all records of Council.

9.4 Relinquishing of office of the Registrar

- a. The Council may, after following due process as set out in the Institutional Rules, discharge the Registrar from office by a vote with the support of two-thirds of all members of the Council (excluding any vacancies on Council that may exist) on any or all of the following grounds:
 - i. Serious misconduct;
 - ii. Operational requirements;
 - iii. Incapacity;
 - iv. Persistent poor performance; and/or
 - v. Any other reason sufficient in law.



Statute of Mangosuthu University of Technology**9.5 Appointment of an acting Registrar**

- a. Procedure for the appointment of an acting Registrar shall be in accordance with the Institutional Rules approved by Council.
- b. An Acting Registrar has the same duties, functions, powers and responsibilities as a substantive Registrar unless determined otherwise by Council at the recommendation of the Vice-Chancellor.

**Statute of Mangosuthu University of Technology****Chapter 3 – MANAGEMENT COMMITTEES****10 Executive Management Committee****10.1 Composition**

- a. The Executive Management Committee (EMC) consists of the following members drawn from executive and senior managers:
 - i. Vice-Chancellor and Principal;
 - ii. Deputy Vice-Chancellors;
 - iii. Registrar; and
 - iv. Such other executive and senior managers as may be approved by Council on the recommendation of the Vice-Chancellor and Principal.
- b. The executives in 10.1 (a) (i) to (iii) shall be the voting members of EMC.
- c. The Vice-Chancellor may invite persons, who are not members of the EMC, to attend in an advisory capacity as and when necessary.

10.2 Functions and Powers

- a. The EMC assists the Vice-Chancellor and Principal in the management and administration of the University.
- b. The Vice-Chancellor shall develop a schedule of delegated authorities for the EMC as a body and also for the individual executive and senior managers.
- c. The EMC under the leadership of the Vice-Chancellor:
 - i. Integrates the management processes of the university;
 - ii. Makes recommendations to the respective committees of the Council regarding all matters which are subject to the approval of the Council, or the committees of the Council;
 - iii. Ensures that the University complies with all the relevant laws and regulations; and
 - iv. Performs such other functions as may be determined by the Statute and the Institutional Rules.

10.3 Chairperson and Acting Chairperson of the EMC

- a. The Vice-Chancellor acts as chairperson at the meetings of the EMC.
- b. In the absence of the Vice-Chancellor from any meeting of the EMC, the Acting Vice-Chancellor (selected amongst the Deputy Vice-Chancellors) will chair the meeting, or in the absence of the Deputy Vice-Chancellors, a member of the EMC designated by the Vice-Chancellor.

10.4 Secretary of the EMC

- a. The Registrar, or an employee designated by him or her, acts as secretary to the EMC.

10.5 Rules and meetings and procedures of the EMC

- a. The Institutional Rules as approved by Council determine the provisions regarding the meetings, meeting procedures and attendance of management meetings, dissolution



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of a committee contemplated in subparagraphs 10.6 (a) to 10.7 (b) as well as all other matters relating to the activities of these management subcommittees are determined by the Institutional Rules.

10.6 Subcommittees of the EMC

- a. The EMC may establish subcommittees to perform any of its functions.
- b. The composition, functions and powers of any management subcommittee shall be defined in its own Charter as approved by the EMC.
- c. The composition, functions, meeting procedures, attendance of meetings, dissolution of a committee contemplated in subparagraphs 10.6 (a) to 10.7 (b) as well as other matters relating to the activities of these management subcommittees are determined by the Institutional Rules.

**Statute of Mangosuthu University of Technology****Chapter 4 - COUNCIL****11 Powers and Functions of Council**

The Council:

- a. governs the University in accordance with its scope of authority as provided for in the Act, any other applicable legislation and this Statute and monitors compliance therewith;
- b. ensures good management of the University and is inter alia responsible for policy-making; the monitoring of the implementation of policies; the appointment of the Vice-Chancellor, Deputy Vice-Chancellors, Executive Directors and the Registrar; the establishment and disestablishment of faculties and academic departments and the determination of fees;
- c. adopts the University's vision, mission and values, and monitors the realisation thereof;
- d. is responsible for sustaining the University's reputation and financial health, and the well-being of its employees and students;
- e. is responsible for establishing and maintaining high standards of academic conduct and probity in concurrence with the Senate;
- f. is responsible for adopting and monitoring financial and non-financial performance measures related to the University's strategic objectives;
- g. is responsible for laying down guidelines and policy on staff matters including staff and student disciplinary matters;
- h. determines, in consultation with the Vice-Chancellor, the nature and scope of the University's social responsibilities;
- i. protects the institutional autonomy of the University and the academic freedom of its employees while upholding public accountability, and deliberates on the nature and role of the University;
- j. approves the SRC Constitution after consultation with the SRC; and
- k. is accountable to the Minister in terms of the provisions of Section 41 of the Act.

12 Council's responsibilities

The Council's responsibilities include:

- a. subject to Section 34 of the Act, appointing employees whom the Council considers necessary to manage the University effectively and to fulfil the University's vision and mission. All appointments are made in line with the Act, this Statute and the human resource policies of the University: Provided that no person shall be appointed as an academic employee except after consultation with the Senate or a Senate committee mandated by Senate for this purpose.
- b. reviewing the institution's strategic plan and annual performance plan and targets, specifically in relation to the institution's annual budget, and other strategic plans such as academic and financial plans as well as risk management and other sustainability plans;

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- c. approving the University's annual budget;
- d. entering into financial agreements and agreements for the construction of buildings in accordance with Sections 40(2) and (3) of the Act;
- e. determining after consultation with Senate –
 - i. what academic structures are required and what the functions of each structure are in order to ensure efficient governance;
 - ii. the appointment of academic employees;
 - iii. the student academic admission policy of the University;
- f. determining with the approval of Senate –
 - i. the entrance requirements for particular higher education programmes, the number of students who may be admitted for a particular higher education programme, the way in which to select/place students; the minimum requirements for readmission to study at the University; and to refuse such readmission to a student who fails to satisfy such minimum requirements for readmission; and
 - ii. the language policy of the University.
- g. The Council shall ensure that:
 - i. an external audit is conducted on an annual basis in accordance with accepted audit principles and standards and that the recommendations of the auditors are implemented;
 - ii. comprehensive records of all Council and Council committees' proceedings are kept;
 - iii. complete accounting records of all assets, liabilities, income, expenditure, and other financial transactions are kept as required by Section 41(1) of the Act;
- h. The Council, after consultation with the Student Representative Council, shall make provision for and establish in accordance with the Institutional Rules of the University, a structure or structures for advising the Council on the policy for support student services at the University.
- i. Council shall report to the Minister as contemplated in Section 41(2) of the Act and must ensure compliance with the directives of the Minister.
- j. The Council establishes Council committees and joint Council and Senate committees, including the approval of concomitant charters, to perform any of its functions and may appoint persons, who are not members of Council, as co-opted members of its committees as it deems fit.
- k. The Council may, on such conditions it may determine, delegate any of its functions or powers to the Executive Committee of the Council, the Vice-Chancellor or any structure of the University, except for the powers set out in Section 68(2) of the Act.
 - i. All delegated functions and responsibilities will be reflected in a delegation framework which Council will review, and amend if necessary, on an annual basis but at least every two years;
 - ii. The delegation shall be in writing.
- l. The Council remains responsible and accountable for the performance and outcome of any delegated function.



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- m. Council shall adopt a framework governing fees for preparing for, and attending of Council and Council Committee meetings or engagements.
- n. Council shall adopt a code of conduct to guide the contribution, behaviour and conduct of members of Council as provided for in Section 27(7e) (a) of the Act and subparagraph 21(b) of this Statute.
- o. Council must conduct a periodic external and internal performance assessment of all its structures and officers as provided for in the Rules.
- p. Council approves the titles of all senior management positions in the university.

13 Composition of Council

13.1 Membership

Council, as contemplated in Section 27 of the Act, consists of members as follows:

- a. Internal members
 - i. The Vice-Chancellor and Principal;
 - ii. Not more than two of the Deputy Vice-Chancellor(s) rotated annually by the Vice-Chancellor with the approval of Council;
 - iii. Two members elected by the Senate;
 - iv. Two members elected by the permanent academic employees of the University;
 - v. Two members elected by administrative and support employees; and
 - vi. Two members elected by the SRC.
- b. External members
 - i. No more than five persons appointed by the Minister in accordance with Section 24 (7) (c) the Act;
 - ii. Two members elected or appointed by Convocation in line with its Constitution;
 - iii. Twelve members appointed by Council in accordance with the rules based on their expertise and experience in the fields of further education and training, higher education, strategy, business, marketing, tourism, information technology, law, engineering, fundraising, finance, auditing and human resource management, taking into consideration the skills already in Council as well as any possible skills lacuna.

13.2 Guests

The Council may invite any person to attend a Council meeting in an advisory role or as an observer, and such an invited person does not have any voting rights.

14 Expected contribution of membership

- a. The applicable bodies and functionaries must strive to ensure that members elected, designated and appointed to the Council are representative of the demographics of the country, having regard to race and gender.
- b. Council members must have knowledge and experience relevant to the objects and governance of the University.

**Statute of Mangosuthu University of Technology****15 Eligibility for membership of Council**

- a. No person can be elected or appointed as a member of Council if they have been declared insolvent by a court of law.
- b. No person can be appointed or elected as a member of Council if they have been found guilty of an act of dishonesty by a competent tribunal or court or is removed from an office of trust by a court of law or is convicted of an offence of which dishonesty is an element for which he or she receives a term of imprisonment without an option of a fine;
- c. It is the responsibility of the nominating body or person to conduct the due diligence on their nominees before submitting them to the Secretary of Council, and it is the responsibility of the proposed nominee to declare that he/ she is eligible for nomination to Council and can be subject to probity tests as determined by Council and to declare any issues;
- d. An external member of Council who becomes a student or an employee of the University or who enters into a contract with the University in terms of which he or she is to receive regular remuneration from the University, must immediately vacate his or her seat on Council;
- e. A proposed nominee of Council must disclose and declare any acts of misconduct, dishonesty, acts that impact on the trust relationship, including all matters where findings, including adverse findings have been made against the proposed nominee; and
- f. A proposed nominee must declare if a conflict of interest situation exists in respect of a staff member, student, supplier of services etc. at the University.

16 Term of office of Council members

- a. The Vice-Chancellor is a member of Council for as long as he/she remains in office.
- b. A Deputy Vice-Chancellor nominated by the Vice-Chancellor may, with the approval of Council, be rotated annually.
- c. The term of office of the members of the SRC on Council corresponds with the term of office of the SRC that elected them.
- d. The term of office of all other members of Council is four years, provided that a member whose term of office has expired may, as an interim measure, be extended by Council once-off for a maximum period of six months should Council believe that special circumstances so demand.
- e. Members of Council whose terms of office have expired may be re-elected or re-appointed, provided that members, excluding ex officio members, may not serve more than two consecutive terms.
- f. A Council member's membership is terminated:
 - i. When the term of office expires;
 - ii. Upon death or incapacity;
 - iii. If the Council member fails to attend three consecutive ordinary meetings of Council without the consent of Council;
 - iv. If the Council member is sequestered;

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- v. If the Council member is found guilty of conduct that in the exclusive opinion of Council is of such a nature that the member's ability to exercise his or her fiduciary duties and obligations is compromised and that continued membership of Council is not desirable;
- vi. If a Council member, who is also a member of staff or a student of the University, is found guilty of misconduct in terms of the Disciplinary Code of the University which, in the opinion of Council, is of such a serious nature that the member's continued membership of Council is not desirable;
- vii. If the Council member is elected or appointed by a particular interest group and the Council member's membership of, or association with the interest group is terminated;
- viii. If Council rules, after following due process, that the member has transgressed Council's Code of Conduct;
- ix. If a person is disqualified in terms of the Act to serve on a Council, or if the member is declared a delinquent director or is removed from an office of trust by a court of law or is convicted of an offence for which the sentence is imprisonment without the option of a fine.
- g. Constituencies who appointed or nominated persons to Council shall be informed by the Registrar of any termination in accordance with subparagraph 16 (f).
- h. All Council members elected or appointed to Council are entitled, at any time, to submit their resignations in writing to the Chairperson of Council. This does not apply to members that serve in Council ex officio.

17 Resignation of Council

- a. If seventy-five percent (75%) or more of the members of Council resign at a meeting of Council, Council is deemed to have resigned and dissolved, as contemplated in Section 27(8) and (9) of the Act.

18 Election of the Chairperson and Deputy Chairperson of Council

- a. The Chairperson and the Deputy-Chairperson of Council must not be elected from members contemplated in subparagraph 13.1 (a) (i- vi).
- b. The procedure for the election of the Chairperson and Deputy-Chairperson is conducted as per the Charter of Council.

19 Term of office of the Chairperson and Deputy Chairperson

- a. The Chairperson and the Deputy-Chairperson of Council are elected for a period of two years in a respective role.
- b. The Chairperson and the Deputy-Chairperson are eligible for re-election for a further two years only, subject to a majority of the members present in the meeting of Council voting for their re-election.
- c. If the Chairperson of Council is unable, for any reason, to perform the functions of his or her office, the Deputy Chairperson of Council performs the functions of the Chairperson of Council.

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- d. If the office of Chairperson of Council becomes vacant, the Deputy Chairperson of Council performs the functions of the Chairperson of Council until the next meeting where an election must be held.

20 Meetings of Council**20.1 Ordinary meetings**

- a. Council has at least four ordinary meetings during each academic year either by physical, electronic or any other means as determined by Council.
- b. Ordinary meetings of Council will receive reports on all strategic matters contemplated under subparagraphs 11 and 12.
- c. With the approval of a majority of members present, urgent matters may be placed on the agenda during a meeting.

20.2 Special meetings

- a. The Chairperson must call a special meeting at the request in writing of at least five members, the objective of the meeting being clearly stated in the request, provided that at least seven days' notice is given. No business other than that for which the special meeting was called may be transacted at the meeting.
- b. The minutes of the special meeting will be adopted at the next Council meeting, save if another special meeting or an emergency meeting is held prior to the next Council meeting, then such special or emergency meeting will adopt the minutes.
- c. The special meeting may be held either by physical, electronic or any other means as determined by Council.

20.3 Extraordinary or emergency meetings

- a. An emergency meeting, when human life and university property is threatened, or when the issue is serious and warrants an emergency meeting as it may impact negatively on the university or employees, or students at the university, such an emergency meeting, may be called by the Chairperson or at the instance of the Vice-Chancellor and Principal to the Chairperson at any time, provided that members are given at least 24 hours' notice of the meeting. No business other than that for which the emergency meeting was called may be transacted at the meeting.
- b. The minutes of the emergency meeting will be adopted at the next Council meeting, save if another special meeting or an emergency meeting is held prior to the next Council meeting, then such special or emergency meeting will adopt the meetings.
- c. The emergency meeting may be held either by physical, electronic or any other means as determined by Council.

20.4 Council meeting procedures

- a. Council meeting procedures shall be as per the Charter of Council that is reviewed every two years, provided that the Charter shall deal with the collapse of meetings.
- b. A majority of all members of Council qualified to serve and vote at the time shall constitute a quorum provided the external members are in the majority, further provided that a Council meeting may not lose a quorum once constituted.

**Statute of Mangosuthu University of Technology****21 Discipline and conduct of Council members**

- a. Council members must participate in the deliberations of Council in the best interests of the University.
- b. All members of Council shall abide by a code of conduct as approved by Council.
- c. A member of Council cannot enter in any commercial transaction with the university, and cannot have any commercial interest in the university whether directly or indirectly.
- d. Council has the power to suspend, take disciplinary action or terminate a member's membership in the event of a transgression of the Council approved code of conduct.
- e. No person who has been a member of Council may conduct business with the university within thirty-six (36) months of the lapse of their membership in Council.

22 Committees of Council**22.1 Establishment**

Council establishes, by charter:

- a. An executive committee of Council;
- b. An audit, risk and compliance committee;
- c. A finance and investment committee;
- d. A human resources committee;
- e. A planning and resources committee;
- f. A student affairs committee, and
- g. Any such other committees as may be required to ensure that Council provides leadership and oversight on all matters within the University.

22.2 The composition and terms of reference of committees

- a. The composition and terms of reference of the committee (mandate, powers, functions and duties) of the committees are determined by Council and are reviewed annually at the fourth ordinary meeting of Council each year.
- b. Charters approved by Council will have the status of Rules as contemplated in Section 29(4) of the Act.
- c. The Council may appoint persons who are not members of the Council as members of the Committee of the Council on account of their special skills and expertise on a specific area that the Committee may be lacking in- depth knowledge in or seeks professional advice on, provided that such persons do not account for the majority of the membership of the Committee.
- d. The chairperson of a committee may not be an employee or a student of the University;

23 Minutes of Council and committee meetings

- a. The Secretary to Council keeps the minutes of each meeting of Council and includes such minutes in the agenda of the next Council meeting when the agenda is sent out.



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- b. The minutes of all Council and committee meetings must be included by the Secretary to Council in the agenda of the next ordinary meeting of Council or Council committee following the respective meetings.

**Statute of Mangosuthu University of Technology****Chapter 5 - SENATE****24 Functions of Senate**

- a. Provides academic leadership and debates matters of academic principle;
- b. Promotes an institutional culture of high academic and ethical standards;
- c. Ensures the academic quality of programmes, research and community engagement;
- d. Ensures legal compliance on academic matters;
- e. Makes recommendations to Council policy regarding admission, teaching, learning, assessment, research, quality assurance, community engagement and other matters that form part of its functions;
- f. Makes recommendations to Council on the organization of and structures for teaching, learning, research and community engagement;
- g. Makes recommendations to Council on the introduction or suspension of degrees, diplomas, certificates, programmes, courses and subjects;
- h. Makes recommendations to Council on matters related to academic development and support services, professional specialist services for students, student discipline, the constitution of the University Student Representative Council, and other student matters of an academic or academic nature;
- i. Makes recommendations to Council or finalises matters delegated or entrusted to it by Council;
- j. Determines guidelines for the appointment and promotion of academic employees, advise the Council in this regard, and makes recommendations on the appointment of academic and senior academic employees in terms of subsection 34(2) of the Act;
- k. Determines the Rules for degrees, diplomas, certificates and other academic programmes;
- l. With the approval of Council determines:
 - i. The entrance requirements for particular higher education programmes, the number of students who may be admitted for a particular higher education programme, the way in which to select/place students; the minimum requirements for readmission to study at the University; and to refuse such readmission to a student who fails to satisfy such minimum requirements for readmission; and
 - ii. The language policy of the University.
- m. Establishes committees to promote its functions;
- n. Considers and approves recommendation from its committees, including faculty boards;
- o. Advises the Council on the procedure for the appointment of the Vice-Chancellor, the Deputy Vice-Chancellors and the Registrar;
- p. Advises academic management structures how to manage matters relating to Senate functions;
- q. Advises the Council on the library and information services in regard to academic matters;
- r. Fulfils such other functions as may be determined by the Council or in terms of the Institutional Rules

**Statute of Mangosuthu University of Technology****25 Composition of Senate**

- a. The Senate, subject to the provisions of the Act, consists of
 - i. The Vice-Chancellor and Principal;
 - ii. The Deputy Vice-Chancellor(s)
 - iii. The Registrar;
 - iv. All the deans of faculties;
 - v. All the heads of academic departments;
 - vi. All professors (excluding honorary, associate, visiting, emeritus and adjunct professors);
 - vii. The head of the library;
 - viii. The head of research;
 - ix. The head of quality management;
 - x. The head of student affairs;
 - xi. The head of operations;
 - xii. The head of human resources and development;
 - xiii. The head of finance;
 - xiv. The head of legal services;
 - xv. The head of institutional planning and research;
 - xvi. Two students who are elected by members of the SRC;
 - xvii. An administrative and support employee from among the three faculties elected by the administrative and support employees;
 - xviii. An academic employee from among the three faculties elected by the academic employees;
 - xix. Two external members of Council designated by Council; and
 - xx. Such additional members as are approved by Council and proposed by Senate.
- b. The majority of Senate members must be academic employees.

26 Election of members of Senate

- a. Academic and administrative and support staff employee representatives on the Senate shall be elected in accordance with a process approved by Council facilitated by the Registrar;
- b. Within 21 days before a specific election date, the Registrar shall invite academic and administrative and support staff employees to nominate an academic employee or an administrative and support staff employee to represent the academic and administrative and support staff employees respectively on the Senate; and
- c. Each nominated candidate shall be seconded by at least ten employees (in the case of an academic nominee they must be academic employees and in the case of an administrative and support staff employee they must be an administrative and support staff employee) and the nominee shall indicate in writing to the Registrar that he or she accepts the nomination.
- d. On the closure of nominations, the Registrar shall arrange for an election in accordance with generally acceptable election procedures.

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- e. Academic employees shall vote in respect of the vacancy to be filled by an academic employee and an administrative and support staff employee shall vote in respect of the vacancy to be filled by an administrative and support staff employee.
- f. An election shall be valid only if at least 10 per cent of the academic employees or administrative and support staff employees, as the case may be, participated in the election.
- g. The Registrar shall announce the results of the election as soon as possible after the conclusion of the election.
- h. The Registrar shall determine, after consultation with the Director of Human Resources, whether an employee of the University, or an employee of the University jointly appointed by the University and another body, qualifies as an academic or an administrative and support staff employee.
- i. If an employee performs academic and non-academic tasks in accordance with his or her job description, that particular employee is considered to be an academic employee.

27 Term of office of Senate members

- a. Members appointed in terms of subparagraph 25(a) (i-xv) hold office for as long as they are employed by the University in that capacity.
- b. Members appointed in terms of subparagraph 25(a) (xvii-xx) hold office for a period of four years.
- c. The term of office for student members is determined by the SRC Constitution provided that membership automatically lapses when a member ceases to be a registered student or a member of the SRC.
- d. Where a member who has been elected or appointed dies, resigns or vacates office for any reason including the expiry of his or her term of office, the Secretary to Senate must notify the constituency or body that has appointed or elected that member of the vacancy, and request that constituency or body to appoint or elect a successor.

28 Chairperson, Deputy Chairperson and Secretary to Senate

- a. The Vice-Chancellor and Principal is the Chairperson of Senate as contemplated in Section 26 (4) (a) of the Act.
- b. The Deputy Chairperson of Senate is the Deputy Vice-Chancellor: Teaching and Learning/ Academic.
- c. The Secretary to Senate is the Registrar.
- d. The Secretary to Senate must:
 - i. Act as secretary to all committees and joint committees of Senate: Provided that the Registrar is entitled to designate a staff member of the University to assist him or her with the compilation of the Agenda and the minutes;
 - ii. Keep the minutes of the meetings of Senate and its committees and distribute copies of the minutes together with the agenda of the next meeting of Senate to members; and
 - iii. Keep a register of resolutions adopted by Senate, the Executive Committee of Senate and Senate Committees and all members of these bodies must have access to this register.

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- e. The Vice-Chancellor may designate an employee to assist the Registrar with his or her duties as the secretary to the Senate or to act in his or her place. Such designated employee shall have the same fiduciary duties and obligations as the Registrar.

29 Senate Meetings

- a. Senate has at least four ordinary meetings during each academic year.
- b. Ordinary meetings of Senate will receive reports on all strategic matters contemplated under subparagraph 24.
- c. With the approval of a majority of members present, urgent matters may be placed on the agenda during a meeting.
- d. A special meeting must be called by the Chairperson at the request in writing of at least five members, the objective of the meeting being clearly stated in the request, provided that at least seven days' notice is given. No business other than that for which the special meeting was called may be transacted at the meeting.
- e. An emergency meeting may be called by the Chairperson at any time, provided that members are given at least 24 hours' notice of the meeting. No business other than that for which the emergency meeting was called may be transacted at the meeting.

30 Senate Meeting Procedures

- a. Senate meeting procedures shall be as per the charter of the Senate provided these do not contradict the principles established in the rules and Charter of Council.
- b. The charter of Senate is to be reviewed every two years.
- c. The quorum of Senate is fifty percent plus one (50%+1) of the members.

31 Committees of Senate

- a. Senate may delegate any of its functions through an approved academic affairs delegations of authority framework.
- b. The Senate, in addition to an Executive Committee of Senate and Faculty Boards, may constitute other committees as it sees fit to assist in the performance of its duties.
- c. Except as otherwise provided in the Statute, the composition, election, terms of office, functions and procedures of Senate committees are as reflected in the Rules.

32 Executive Committee of Senate

- a. The functions of the Executive Committee of the Senate are determined by Senate, defined in the Rules and reflected in the Charter for the Executive Committee of Senate. The functions include the appointment (on behalf of Senate) of Honorary Professors (subject to the concurrence by Council), Adjunct Professors, Fellows, Distinguished Research Associates and Visiting Professors.
- b. The Executive Committee consists of -
 - i. The Vice-Chancellor;
 - ii. The Deputy Vice-Chancellors;
 - iii. The Registrar;
 - iv. Deans;
 - v. Four Senate members, in addition to the members listed in subparagraphs 32 (b) i-iv, elected by the Senate who must be academic members; and



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- vi. Additional members as determined by the Senate from time to time and reflected in the Charter approved by the Senate.
- c. The Chairperson of the Senate is also the Chairperson of the Executive Committee.
- d. The members listed in subparagraphs 32(b) (i-iv) above remain members of the Executive Committee by virtue of their office.
- e. The term of office of Senate representatives on the Executive Committee in terms of subparagraphs 32(b) v-vi above is three years and these Senate representatives are eligible for one additional term of office if elected or appointed.



Statute of Mangosuthu University of Technology**Chapter 6 - FACULTY BOARDS****33 Functions of the Faculty Boards**

- a. Subject to Council and Senate, governs and regulates the activities of the Faculty in accordance with the Rules and the policies of the University;
- b. Considers and recommends to the Senate the Academic programmes (both subsidised and non-subsidised) offered by Faculties;
- c. Promotes research in the Faculty;
- d. Submits recommendations to the Senate on matters that affect the Faculty as well as matters referred to it by the Senate;
- e. Appoints subcommittees of the Faculty Board; and
- f. Fulfils such other functions as the Rules and/or Senate may describe.

34 Composition and functions of Faculty Boards

- a. The Faculty Board of every Faculty is a standing committee of the Senate.
- b. The composition of a Faculty Board is determined by Senate after consultation with the Faculty Board.
- c. Membership of Faculty Boards, terms of office, meeting procedures and other matters relating to Faculties are reflected in the Rules and approved.

35 Leadership of Faculty Boards

- a. The Dean of a Faculty is the Chairperson of the relevant Faculty Board.
- b. The Council appoints a Dean for every Faculty in accordance with the Rules approved by Council, who is accountable to the relevant Faculty Board, Senate, the Management Executive Committee and Council and fulfils the functions as described in the Rules.

**Statute of Mangosuthu University of Technology****Chapter 7 - INSTITUTIONAL FORUM****36 Functions of the Institutional Forum**

- a. The Institutional Forum advises Council on the following issues affecting the University:
 - i. The implementation of the Act and the national policy on Higher Education;
 - ii. Transformation which includes race and gender equity policies;
 - iii. The selection of candidates for senior management positions;
 - iv. Codes of conduct, mediation and dispute resolution procedures;
 - v. The fostering of an institutional culture which promotes transformation, social cohesion and respect for fundamental human rights, and creates an appropriate environment for teaching, research, learning and community engagement, and
 - vi. The language policy of the University.
 - vii. The Institutional Forum performs such other functions as determined by Council.
- b. The advice given by the Institutional Forum must be submitted in writing by the Chairperson of the Institutional Forum to the Council through the Office of the Registrar, who must thereafter provide a copy to the Vice-Chancellor.
- c. The Council must consider the advice given by the Institutional Forum; and provide written reasons if the advice is not accepted.

37 Composition of the Institutional Forum

The Institutional Forum consists of:

- a. Two members from the Executive Management appointed by the Vice-Chancellor;
- b. Two members of Council who are not employees or students of the University;
- c. One member of Senate elected by Senate;
- d. One member representing academic employees;
- e. One member representing the administrative and support employees;
- f. One member from each representative employee organization;
- g. Two students designated by the SRC with one being a current SRC member and the other a postgraduate student;
- h. Two members designated by the Executive Committee of Convocation;
- i. One person appointed by the Vice-Chancellor who is an expert on transformation.

38 Term of office of Institutional Forum members

- a. The term of office of student members is as per subparagraph 43(d).
- b. The term of office of all other members, except executive management, is four years.
- c. Membership as per subparagraph 37(b-h) automatically ceases when the member ceases to be a member of his/her respective constituency.
- d. The termination of membership of the members of the Institutional Forum shall be as determined in the Institutional Rules.

**Statute of Mangosuthu University of Technology****39 Chairperson and Deputy-Chairperson of the Institutional Forum**

- a. The Institutional Forum must elect a Chairperson and a Deputy Chairperson from its ranks, provided that either the Chairperson or the Deputy Chairperson is an external member.
- b. The Chairperson of the Institutional Forum is an *ex officio* member of Senate.
- c. The term of office of the Chairperson and the Deputy Chairperson will be three years or of a lesser duration depending on their membership of the Institutional Forum.
- d. If the office of the Chairperson or the Deputy Chairperson becomes vacant, the Institutional Forum will elect a successor at its next meeting.
- e. The Chairperson of the Institutional Forum reports to the Institutional Forum the decision of Council on the advice submitted by the Institutional Forum to the Council.

40 Administrative support

- a. The Registrar shall be the Secretary of the Institutional Forum.

41 Nomination of members of the Institutional Forum

- a. The nomination of representatives must be transparent and democratic, and each constituency must follow the procedure determined within its own constituency and submit the names of its representatives to the Registrar.

42 Meetings of the Institutional Forum

- a. The Chairperson must convene a meeting of the Institutional Forum at least twice in each semester. The dates for meetings shall be set out in the University Calendar.
- b. Fifty percent plus one (50%+1) of the members form a quorum.

43 Meetings procedures of the Institutional Forum

- a. The meeting, meeting procedures and attendance of meetings of the Institutional Forum shall be in compliance with Institutional rules as approved by the Council.
- a. Subject to the provisions of this Statute and the Rules, the Institutional Forum must conduct its meeting procedures with due observance of generally accepted norms and practices of fair administrative process.

44 Decision-making

- a. If at least 75% per cent of the members present at a meeting vote either in favour of or against a specific proposal, the Institutional Forum has taken a decision on the advice to be provided to Council.
- b. In the event of the Institutional Forum members do not reach a decision as set out in subparagraph 44(a), the Chairperson of the Institutional Forum, with the assistance of the Secretary of the Institutional Forum, must compile a summary of the various opinions expressed at the Institutional Forum and submit the summary to the Council.

**Statute of Mangosuthu University of Technology****Chapter 8 - STUDENTS****45 Admission and registration of students**

- a. The requirements for admission of a student to a particular academic programme are set out in the Admissions Policy of the University.
- b. A person is registered as a student of the University only if he or she meets the admission requirements contemplated in subparagraph 45(a) as determined from time to time by Senate and approved by Council.
- c. A student is registered for one year or such shorter period as may be determined by Senate in general or in a particular case.
- d. A student's signature upon registration binds the student to the rules of the University.

46 Student discipline

- a. The disciplinary measures and disciplinary provisions applicable to students are set out in the University rules and may be amended by Council after consultation with Senate and the SRC.
- b. The Vice-Chancellor and Principal may, from time to time, amend monetary penalties and such amendments must be placed before Council at its next ordinary meeting for approval.
- c. If Council should alter or set aside any such amendment, its validity up to the time of alteration or setting aside by Council is not affected.

47 Student Representative Council (SRC)

- a. The students of the University are represented in matters that affect them by the SRC.
- b. The composition, manner of election, term of office, functions and privileges of the students' representative council are determined by the SRC Constitution.
- c. The SRC Constitution or any amendment thereof must be approved by Council, after consultation with the SRC.
- d. The term of office of the SRC is one year as determined in the SRC Constitution.

48 Fees, admission to examinations and registration

- a. Council determines, after consultation with the SRC, the fees, levies and fines payable by students to the University.
- b. Council, in consultation with Senate, shall determine the conditions for admission to examinations and registration at the University, as well as the awarding of or conferral of qualifications to students owing the University fees, levies or fines.

**Statute of Mangosuthu University of Technology****Chapter 9 - CONVOCATION****49 Functions of Convocation**

The functions of Convocation are to:

- a. Discuss and state its opinion on any matter relating to the University, including matters which may be referred to it by Council;
- b. Engage in fundraising for the university;
- c. Foster and maintain a positive image of the University as a whole in the context of community and business interests;
- d. Actively foster a spirit of belonging amongst alumni;
- e. Create in the alumni a sense of responsibility, obligation and accountability towards the community in general and their alma mater in particular;
- f. Liaise and consult with all other University constituencies on matters of common interest and to foster unity of purpose, and action.

50 Establishment of the Convocation

- a. Council must approve the constitution of the Convocation adopted at a meeting called by the Registrar attended by the members as stated in subparagraph 51(a-f), called only for this purpose and subsequently by the AGM of the Convocation.

51 Membership of Convocation

Convocation consists of the following:

- a. Vice-Chancellor and Principal,
- b. The Deputy-Vice Chancellors,
- c. The Registrar,
- d. Permanent academic employees,
- e. All persons who are graduates of the University, and
- f. Such other persons as Council may determine, including, professors' emeriti, and retired academic employees who were in the employ of the University for at least ten years immediately before retirement.

52 The Convocation Executive Committee (CONVEXCO)

- a. The Convocation Executive Committee's composition and functions shall be as determined in the Constitution of Convocation.

**Statute of Mangosuthu University of Technology****Chapter 10 - EMPLOYMENT AND CONDITIONS OF SERVICE OF EMPLOYEES****53 Appointment of employees**

- a. Subject to Section 34 of the Act, Council appoints all employees according to the human resource policies and procedures of the University as approved by Council from time to time.

54 Recruitment of employees for senior management positions

- a. Council shall recruit members of senior in accordance with policies, processes and procedures approved by Council and delegated to management, where necessary, after consultation with Senate and the advice of the Institutional forum.
- b. The Vice-Chancellor determines and proposes to Council the powers, functions, duties and the term of office of members of senior management.

55 Employee conduct

- a. An employee must in writing-
 - i. Before he or she takes up an offer of employment, and yearly thereafter, declare any business that may raise a conflict or possible conflict of interest with the University as is provided for in the Act; and
 - ii. Notify the University of any conflict or potential conflict of interest before the University procures any goods or services from the employee or an organisation within which the employee holds an interest.
- b. An employee may not conduct business directly or indirectly with the University that entails or may entail a conflict of interest with the University unless the Council of the University is of the opinion that-
 - i. The goods, product or service in question are unique;
 - ii. The supplier is a sole provider; and
 - iii. It is in the best interest of the University.
- c. An employee may not on behalf of the University contract with himself or herself or any entity in which he or she has a direct or indirect financial or personal interest.
- d. Contracting referred to in subparagraph 55(c) relates to conduct that is aimed at receiving any direct or indirect personal gain that does not form part of the employment relationship contemplated in subparagraph 55(a).
- e. No academic employee can be appointed in the University without consulting Senate or a committee of Senate as designated by Senate.

56 Evaluation of employee performance

- a. All employees of the University are subject to continuous evaluation of their performance in accordance with a performance management system as approved by Council from time to time and such evaluation may, with the approval of the relevant committee of Council, institutionally be tied to remuneration.

57 Employee discipline

- a. Subject to the provisions of the relevant labour legislation and codes of good practice all employees (full time or part-time, permanent, temporary or contract work) of the



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University shall subscribe to the institutional code of conduct, the disciplinary code and procedure and the grievance procedure as approved by Council.

58 Representative employee organisations

- a. The University may enter into appropriate recognition agreements with registered labour unions and staff associations with the view to recognising such entities as representatives of staff in University processes determining conditions of employment and remuneration levels and adjustments thereto.

**Statute of Mangosuthu University of Technology****Chapter 11 - GENERAL****59 Donors**

- a. The University may receive donations in the form of property, plant and equipment (PPE), money, books, etc., from donors to assist the institution in providing an enabling environment for students' success.
- b. Any person or entity, who is not an organ of state or a representative thereof and who has made a particular donation to the University, shall be deemed to be a donor, provided that if a donation is made by a juristic person, the representative of such juristic person shall represent the donor.
- c. The University may recognise and register specific donors as determined in the University rules.

60 Professors emeriti

- a. The University may, on the resolution of Council and Senate, confer the status of Professor emeritus in any faculty upon any retired professor of the University, who the University may deem worthy of such status.
- b. The privileges attendant upon this award will be as determined by Council upon the recommendation of Senate.

61 Honorary Degrees

- a. Subject to subparagraph 1(d), the University may, on the recommendation of Senate and approval of Council, and without examination, confer a degree honoris causa of masters or doctor in any faculty upon any person who the University may deem worthy of such a degree, provided that the holder of such a degree shall not by virtue of the fact that he or she has been admitted thereto, be entitled to practise any profession.
- b. Council, in consultation with Senate, has the power to revoke an award previously conferred upon a person by MUT.

62 Drafting, amending or rescinding a Statute

- a. No motion to draft, amend or rescind a statute or a rule is of force and effect unless adopted by at least seventy-five percent (75%) of all members present at the meeting, provided that the meeting is constituted by at least seventy-five percent (75%) of the total number of members of Council.
- b. Any motion to draft, amend or rescind a statute or a rule must be in accordance with the provisions of Section 32 of the Act.



Statute of Mangosuthu University of Technology

Chapter 12 - IMPLEMENTATION OF THE STATUTE**63 Transitional Arrangements**

- a. Anything done under any provision of Mangosuthu University of Technology Statute before this Statute came into operation is deemed to have been done under the corresponding provision of Statute.
- b. Any existing rules in force upon the commencement of this Statute continue to apply until replaced by any provision of the Statute, or any rule that may be made in terms of the Statute.
- c. With the coming into force of this Statute, the existing Council of Mangosuthu University of Technology shall have the power and authority to take steps to implement the provisions of the Act, the Statute and Institutional Rules.
- d. The steps referred in subparagraph 52(c) above may include the termination of the membership of Council members to make it possible to reconstitute Council in accordance with the Statute.
- e. There shall be no interruption in the legal personality of the University as it existed before and after the coming into operation of this Statute.
- f. Nothing in this Statute shall prevent the University from exercising its rights and duties that the University against any person or entity or which any person or entity had against the University prior to the coming into operation of this Statute, except as expressly provided for herein.
- g. The Statute applicable to the University published under Government Notice No. 998, Government Gazette No. 39315 of 23 October 2015 is hereby repealed.

DEPARTMENT OF HOME AFFAIRS

NO. 1554

3 December 2021

ALTERATION OF SURNAMES IN TERMS OF SECTION 26 OF THE BIRTHS AND DEATHS REGISTRATION ACT, 1992 (ACT NO. 51 OF 1992)

The Director-General has authorized the following persons to assume the surnames printed in *italics*:

Notice is hereby given of Government Gazette No.**21907** which, was published in Government Gazette Notice No.**1401** dated **22 December 2000** is hereby rectified to read as follows

1. Vusumzi Beni - 710707 6206 *** - 14 k Street, GRAHAMSTOWN, 6139 - *Sukula*

Notice is hereby given of Government Gazette No.**45099** which, was published in Government Gazette Notice No.**800** dated **03 September 2021** is hereby rectified to read as follows

1. Ntokozo Africa Mahlangu - 930217 6139 *** - Stand no 159, Shabalala Trust, HAZYVIEW, 1242 - *Mokoena*

Notice is hereby given of Government Gazette No.**44945** which, was published in Government Gazette Notice No.**696** dated **06 August 2021** is hereby rectified to read as follows

1. Thembalungile Clifford Samela - 850614 5770 *** - S 8600 Mpinga Street, Slovo Park, MTHATHA, 5100 - *Norolela*
2. Nkosana Ndaba - 010927 6111 *** - 1642 Braamfisher, PRETORIA, 0001 - *Maduna*
3. Mailane Arnold Mpokane - 830321 5387 *** - Z 2 F 346, TAFELKOP, 1500 - *Marule*

Notice is hereby given of Government Gazette No.**45275** which, was published in Government Gazette Notice No.**1016** dated **08 October 2021** is hereby rectified to read as follows

1. Lekgoo Wilson Mashabathakga - 800122 5952 *** - P O Box 749, DIKGALE, 0721 - *Tinyane*
2. Maile Anthony Sebela - 780815 5823 *** - Mashiloane Village, MAPHUNO, 0850 - *Makganoto*

Notice is hereby given of Government Gazette No.**45426** which, was published in Government Gazette Notice No.**1478** dated **05 November 2021** is hereby rectified to read as follows

1. Mapula Innocentia Pome - 920113 0996 *** and a minor child – Dimpho Pome – 150113 0700 *** - P O Box 1232, BOCHUM, 0790 - *Mochemi*
2. Teddy Nyathi - 720505 7473 *** - 5 Rosetta Street, Regents Park, JOHANNESBURG, 2001 - *Mnkandla*
3. Sihle Nhlanhla Mthembu - 020422 6175 *** - Phumobaia Area, NGWANASE, 3973 - *Tembe*
4. Zanele Janet Khambule - 580302 0604 *** - Mathulini Location, UMTHWALUME, 4286 - *Jali*
5. Bhekikaya Alexander Mnyandu - 680318 5576 *** - Ngometsheni Area, VRYHEID, 3100 - *Mbuyisa*
6. Tshidiso Tundza - 001025 5735 *** - 7193 B Kandna, SEBOKENG, 1983 - *Thobi*

DEPARTMENT OF HOME AFFAIRS

NO. 1555

3 December 2021

ALTERATION OF SURNAMES IN TERMS OF SECTION 26 OF THE BIRTHS AND DEATHS REGISTRATION ACT, 1992 (ACT NO. 51 OF 1992)

The Director-General has authorized the following persons to assume the surnames printed in *italics*:

1. Mpumezo Mathibe - 960101 5791 *** - 35 Anderson Street, TURFONTEIN, 2190 - *Vuzane*
2. Judith Fionah Da Fonte Fernandes Salgado Bernardo - 850815 0259 *** - Rua Do Areal 202, Laura, Matosinhos, PORTUGAL, 4455-060 - *Sanderson Bernardo*
3. Mafedile Dorah Mahoko - 830421 0606 *** - 6784 Nicol Road, Crystal park, BENONI, 1501 - *Matlhoko*
4. Tebogo Solomon Ndhlovu - 960905 5278 *** - 586 Block X, MABOPANE, 0190 - *Mkhabela*
5. Londeka Evidence Ntshiza - 960528 0798 *** - 12 Lichen Road, Crossmoor, CHATSWORTH, 4092 - *Ngubo*
6. Charmaine Mmabatho Mahlobogwane - 960519 0408 *** - Womans Hostel, Room 128 Block 13, 4th Avenue, ALEXANDRA, 2010 - *Martin*
7. Dumisani Hleza - 870128 5320 *** - 2850 Msimango Street, MOROKA, 1700 - *Ntshangase*
8. Lebogane Evans Rapetswa - 861230 5990 *** - Stand no 81, Church Street, MAKHADO, 0920 - *Motsheketsheke*
9. Doctor Shadrack Mahlangu - 870801 6221 *** - 2257 Klarinet, EMAHAHLENE, 1034 - *Sheba*
10. Pako Gladwin Moshweunyane - 870611 5897 *** - 187 Puledi Drive, THOKOZA, 1400 - *Lekgari*
11. Oliva Onke Zongo - 880824 6104 *** - Cnr Leeds & Owen Street, MTHATHA, 5099 - *Makwedini*
12. Zoleka Nomaswazi Colette Ntshiza - 981228 0609 *** - 12 Lichen Road, Crossmoor, CHATSWORTH, 4092 - *Ngubo*
13. Zamokuhle Ngubane - 980730 6265 *** - 25212 Manyangani, Zwelibomvu, MARIANNHILL, 3610 - *Shozi*
14. Thulaganyo Mkansi - 980313 0574 *** - 5 Zone 3, ITSOSENG, 2744 - *Letshoo*
15. Floyd Khoza - 720716 5328 *** - 4094 Zone 9, MEADOWLAND, 1852 - *Molefe*
16. Molantoa Richard Mokoena - 740804 5595 *** - 285 Tsolo Section, KATLEHONG, 1431 - *Malefane*
17. Saki Isaac Baloyi - 640117 5545 *** - 904 Mathibe Street, BELA-BELA, 0480 - *Matjila*
18. Johannes Ramodzuli Mtshali - 900615 5417 *** - 1330 Mokweb Stand, WINTERVELDT, 0198 - *Mokwebo*
19. Gabriella Tenisha Koen - 020601 0081 *** - 20 Woolston Road, Westcliff, JOHANNESBURG, 2001 - *Du Preez*
20. Michelle Mnisi - 031007 0740 *** - Stand no 40, OAKLEY, 1201 - *Nyakane*
21. Simukelo Mchunu - 020819 5911 *** - 1690 - 31st Avenue, CLERMONT, 3610 - *Mbhele*
22. Nomvelo Dlamini - 020520 0958 *** - Emahlutshini Location, IMPENDLE, 3227 - *Mcunu*
23. Kgaugelo Gift Mashaba - 021128 6250 *** - 17353 Extension 8, SOSHANGUVE, 0152 - *Digoro*
24. Kwanele Sikelela Guga - 030620 1041 *** - Greenfields, HARDING, 4680 - *Jukuda*
25. Mpho Magolego - 030120 1006 *** - P O Box 1932, STEELPOORT, 1133 - *Taba*
26. Rorisang Molepo - 030731 0345 *** - 44 Ngolase Street, ATTERIDGEVILLE, 0110 - *Beta*
27. Thabo Dumakude - 021012 5938 *** - KOgqohi Area, TUGELA FERRY, 3010 - *Ndlovu*
28. Keitumetse Michelle Kgaswane - 010922 1016 *** - 373 Ramoji Section, TLOKWENG, 2839 - *Lesejane*
29. Louis Phiri - 030209 5811 *** - Stand no 547, Motsitsi Street, BELA-BELA, 0480 - *Mabunda*
30. Mukhethwa Sylvester Mandzere - 870323 5972 *** - Private Bag X2249, SIBASA, 0970 - *Magoro*
31. Ramodike Adolf Mabola - 940220 6108 *** - Stand no 580, Bismark Village, MARULENG, 0890 - *Maponya*

32. Sanele Aarons - 900616 6288 *** - Klipspruit, NANCEFIELD, 1809 - *Jaca*
33. Peterson Elliot Mokgothu - 740728 5870 *** - 949 A Poe Street, Naledi, SOWETO, 1717 - *Sefako*
34. Bhekani Sikhumbuzo Mrthethwa - 950625 5790 *** - Qongwana Area, MBAZWANA, 3974 - *Ntshangase*
35. Itumeleng Chauke - 030121 0690 *** - P O Box 714, LENYENYE, 0857 - *Shai*
36. Ayabonga Dlakulu - 030401 5399 *** - Mandileni Area, MOUNT FRERE, 5090 - *Qhoboshiyane*
37. Walter Sello Lebipi - 030515 5306 *** - Indermark, BOCHUM, 0790 - *Ramoba*
38. Masocha Cry Ngobeni - 840720 5414 *** - 257 Iroko Place, Savannah Country Estate, PRETORIA, 0184 - *Makumbila*
39. Arise Leon Baloyi - 021029 1072 *** - Matiyane, MALAMULELE, 0900 - *Khosa*
40. Blessing Ndlovu - 020818 5157 *** - 96 Kruger Road, President Park, MIDRAND, 1685 - *Shomolekae*
41. Sibusiso Lucky Patrick Khumalo - 631225 5721 *** - 6313 Dyke Street, Extension 8, ENNERDALE, 1830 - *Ndzimande*
42. Cebisile Malinda - 010420 1236 *** - Stand no 203057, Makoko Trust, KABOKWENI, 1245 - *Maposa*
43. Kgomotsego Precious Keboneilwe - 010417 0970 *** - 11177 Ramatlabana, MAHIKENG, 2745 - *Lekgoe*
44. Neusadinah Maxanguale - 010515 1437 *** - 64963 Ncedo Street, Mathaza, KHAYELITSHA, 7784 - *Matinise*
45. Pholoso Terence Mashile - 001204 6375 *** - P O Box 249, HLUVUKANI, 1365 - *Khosa*
46. Koena Jimmy Marapa - 000131 5071 *** - P O Box 24, BOCHUM, 0790 - *Mojela*
47. Khathutshelo Given Mavhungu - 780511 5541 *** - Dopeni, NZHELELE, 0993 - *Ramakhumisa*
48. Tsietzi George Lehloo - 790702 5321 *** - 6548 Kgotsong, MPUMALANGA, 9000 - *Sibi*
49. Bongani Ephraim Zuma - 760103 5967 *** - 11 Selby Road, CATORIDGE, 3201 - *Mchunu*
50. Bianca Van Zyl - 960126 0399 *** - 11 Edward Street, KOFFIEFONTEIN, 9989 - *Vogel*
51. Celokuhle Mqondisi Duma - 000828 6511 *** - Mati-Atolo Area, GREYTOWN, 3250 - *Ngubane*
52. Khodani Engedzani - 030701 5682 *** - Ha-Tshikambe, THOHOYANDOU, 0970 - *Masindi*
53. Nkele Wilhelminah Nkeketa - 650105 1068 *** - Stand no 1869, Katjibane Village, SIYABUSWA, 0482 - *Shongwane*
54. Mbalentle Ngonzi - 031224 0273 *** - 22723 Thobela Street, BARCELONA, 1500 - *Mmola*
55. Linathi Ncayo - 030509 0645 *** - 24 Mcungumabelo Street, PORT ELIZABETH, 6001 - *Jack*
56. Makabea Letta Madimong - 330606 0333 *** - 836 Block L, SOSHANGUVE, 0152 - *Makanatleng*
57. Nelson Hamfree Mahlangu - 911205 5464 *** - A 235 Shenge Street, Plot 97, BRAKPAN, 1541 - *Mothiba*
58. Pabalelo Frederick Mohalalelo - 980317 5314 *** - House no E81, Ditshilong Village, VRYBURG, 8600 - *Itumeleng*
59. Nompumelelo Hlatshwayo - 990604 0423 *** - 136 – 10th Avenue, ALEXANDRA, 2090 - *Sizani*
60. Andile Tunzana - 810403 5424 *** - 2059 Main Road, Mandela, Siviwe, RUSTENBURG, 0300 - *Zamele*
61. Nobuhle Prisca Phuphusani - 710815 0934 *** - 3075 BB 3, Imbali, PIETERMARITZBURG, 3200 - *Radebe*
62. Kgoro Frans Moloko - 701025 5881 *** - 37975 Mogaswa Street, LUSAKA, 0122 - *Mahlangu*
63. Eugen Zulu - 730528 5675 *** - 531 Cato Street, Zondi II, SOWETO, 1717 - *Mashapa*
64. Alochia Thobokale - 890918 0691 *** - 640 Kgamo Street, Difateng, TEMBISA, 1600 - *Lelaka*
65. Thabo Stevens Masanabo - 880119 5311 *** - 171 Twee Riviere, 555 Bougainville Drive, MONTANA, 0100 - *Diale*

66. Tukuleni Nogweda - 621110 6115 *** - Mswakazi Area, PORT ST JOHNS, 5120 - *Matini*
67. Reabetswe Msayi - 920801 5699 *** - 76 Aganang Section, CHANENG, 0310 - *Tsile*
68. Vincent Makute - 990402 5158 *** - 1414 A Borakalalo Village, ZEERUST, 2880 - *Moeng*
69. Letladi Ruphus Pelusa - 810104 6212 *** - P O Box 2360, BURGERSFORT, 1150 - *Moraba*
70. Gopolang Nkwana - 930923 6474 *** - 10538 Ga-Kgwete Village, BURGERSFORT, 1150 - *Mazwi*
71. Kgothatso Charles Mashaba - 020311 6068 *** - 149 Ga-Dichuene, MOKOPANE, 0600 - *Ramasobane*
72. Gabriel Shingwenyama - 871015 6021 *** - 501 Hestepark Estate, Giel Delpont Street, Extension 27, AKASIA, 0182 - *Ramawela*
73. Sphiwe Magubele - 890510 0575 *** - 37 Snow Avenue, Extension 8, CHANTELE, 0110 - *Magule*
74. Mzamo Siphilile Biyela - 871121 5833 *** - 19 Cumnor Gardens, 12 Sunninghill Park, NEW GERMANY, 3601 - *Shandu*
75. Siphamandla Arthur Ngwenya - 950617 6167 *** - 6527 PHolas Park, PIET RETIEF, 2380 - *Nkosi*
76. Josinah Salome Maripane - 850903 1528 *** - 4513 Section N, MAMELODI WEST, 0150 - *Mampuru*
77. Falakhe Shongwe - 001026 5973 *** - Stand no 930, Matsulu, MALALANE, 1203 - *Mashaba*
78. Katise Reuben Masemola - 800707 6110 *** - Ga-Masemola, APEL, 0239 - *Makobe*
79. Tshepang Andrias Bolofo - 960730 5337 *** - 16 Fortuna Avenue, Bedworth Park, VEREENIGING, 2500 - *Lesibane*
80. Cecilia Makgatane Tladi - 780304 1161 *** - 15 Moropane Street, Saulsville, PRETORIA, 0010 - *Kgomo*
81. Tankiso Elias Hlaoli - 930111 5682 *** - 777 Phomolong, TEMBISA, 1632 - *Manzini*
82. Shirley Mashembye - 031109 0322 *** - 1331 Mamaylakala Village, MOKOPANE, 0500 - *Mogotlane*
83. Mphikeleli Thomas Nkosi - 720815 5350 *** - P O Box 2148, BREYTEN, 2300 - *Mahlangu*
84. Ntombovuyo Pretty Mangelwa - 851209 0958 *** - Gwabeni Location, BIZANA, 4100 - *Njikija*
85. Calvin Wilfred Du Plooy - 030312 5105 *** - 51 Crossberry Street, VAN DYK PARK, 1400 - *Westcott*
86. Dumisane Vincent Maseko - 860501 6024 *** - E 193 H, FERNIE, 2342 - *Mathebula*
87. Israel Tibane - 941006 6194 *** - Private Bag X2249, SIBASA, 0970 - *Netshitenzhe*
88. Sinethemba Hlobisile Makhoba - 030519 1302 *** - P O Box 130, MAHLABATHINI, 3865 - *Mchunu*
89. Daniel Mokoteli Lesapo - 030312 5675 *** - 33 Morcado Street, Bedela, WELKOM, 9460 - *Vinger*
90. Lucky Mahlodi Mnisi - 850401 5989 *** - 12 Kgabo matsila Street, Extension 12, Chroompark, MOKOPANE, 0600 - *Rathotse*
91. Alfred Mxolisi Mkulisi - 630903 5862 *** - 96 Jesmond Road, PIETERMARITZBURG, 3200 - *Maphanga*
92. Khomotso David Makhura - 731126 5303 *** - Royston, RADITSHABA, 0700 - *Maputla*
93. Elphos Thomas Pako - 770203 5552 *** - Dospan Village, Casteel Trust, BUSHBUCKRIDGE, 1370 - *Makhaya*
94. Tauhlole Elford Masemola - 770909 5732 *** - Tjiane, MPAAHLELE, 0236 - *Mamoepa*
95. Ndokiseni Keneth Ratshilumela - 740807 5032 *** - Tshikundamalema, MUTALE, 0956 - *Mundalamo*
96. Njana Bhokuyise Xulu - 720807 5693 *** - Mandlankala Reserve, ESIKHAWINI, 3901 - *Zungu*
97. Tlou Lordwick Mokwetu - 710202 6029 *** - Breda, MOKOPANE, 0500 - *Mokwetli*
98. Mzwandile Elias Ndlovu - 720620 6268 *** - 4043 COnstantia Park, Maokeng, KROONSTAD, 1400 - *Mabaso*

99. Katlego Comfort Letshwene - 990911 5055 *** - 19 Blende Avenue, Craydon, KEMPTON PARK, 1619 - *Malesa*
100. Tshepo Ingrid Mashigo - 830507 0613 *** - 4276 Section M, Makgatho Street, MAMELODI WEST, 0122 - *Moche*
101. Nduduzo Kaneth Mtshali - 910821 5694 *** - Dindi Location, Taylors Halt, PIETERMARITZBURG, 3200 - *Kheswa*
102. Nombuyiselo Manyoni - 910124 0797 *** - P O Box 2423, TUGELA FERRY, 3010 - *Zuma*
103. Kgomotso Tebogo Mashigo - 820523 0545 *** - 4276 Section M, Makgatho Street, MAMELODI WEST, 0122 - *Moche*
104. Gontse Tshiamo Annah Mashigo - 960509 0257 *** - 4276 Section M, Makgatho Street, MAMELODI WEST, 0122 - *Moche*
105. Melusi Alfred Dhludhlu - 830404 5834 *** - 105 Extension 1, Mauno Bluegum, DUDUZA, 1401 - *Mohlaping*
106. Asanda Nikiwe Dhlamini - 980630 0350 *** - 1903 Chakide Road, Unit 2, IMBALI, 3201 - *Nzimande*
107. Nonjabulo Yvonne Tswayi - 840202 0912 *** - Kwampumuza, Shayamoya, PIETERMARITZBURG, 3200 - *Ngcobo*
108. Sphiwe Vezi - 960114 5680 *** - G 1068 Chester Cele Road, UMLAZI, 4031 - *Nciki*
109. Siyanda Wonder-Boy Ngcobo - 900607 5515 *** - Shakaville, STANGER, 4400 - *Ngema*
110. Asanda Nothando Cele - 000323 0514 *** - Mpumazi Reserve, ESHOWE, 3815 - *Mdlalose*
111. Monde Macdonald Mbangi - 890114 5260 *** - 7 Moshesh Avenue, LANGA, 7455 - *Ngumla*
112. Albert Thipe Papole - 940520 5925 *** - 2427 Madibeng Hills, Klipgat, MAKOPANE, 0190 - *Maleka*
113. Palesa Nomhle Mgcakeka - 930309 0320 *** - 1180 Zone 1, Zwane Street, DIEPKLOOF, 1862 - *Maphatiane*
114. Bongani Vincent Sibiya - 020421 5736 *** - 4332 Nxumalo, NEWCASTLE, 2940 - *Maphanga*
115. Vincent Sandile Mokoena - 010915 6181 *** - Stand no 1145, Jerusalem Trust, KABOKWENI, 1245 - *Khoza*
116. Nontando Mjoka - 021001 0280 *** - C 93435 Nzuza Road, FOLWENI, 4105 - *Nxumalo*
117. Shalini Sumpath - 760215 0149 *** - 272 Rosary Road, Greenwood Park, DURBAN, 4001 - *Singh*
118. Sthembiso Tswayi - 930323 5473 *** - Kwampumuza, Shayamoya, PIETERMARITZBURG, 3200 - *Ngcobo*
119. Fikile Tswayi - 890903 0484 *** - Kwampumaza, Shayamoya, PIETERMARITZBURG, 3200 - *Ngcobo*
120. Khulekani Wesley Grant Thusi - 800828 5726 *** - P O Box 7186, EMPANGENI RAIL, 3910 - *Ngcobo*
121. Tracy Nokulunga Thutshini - 850306 0485 *** - 17 Coghraine, LADYSMITH, 3370 - *Cele*
122. Phumlile Mbanjwa - 890316 0343 *** - Charls Location, DONNYBROOK, 3257 - *Duma*
123. Mike Majathhako - 990831 6306 *** - 697 Ramgoso Section, SETLAGOLE, 2773 - *Kooko*
124. Crosby Queenton Molokomme - 740727 5973 *** - 9871 Zone 1, GA-RANKUWA, 0208 - *Baloyi*
125. Solomon Vusimuzi Monaheng - 770708 5443 *** - 14741 Zone 11, SEBOKENG, 1983 - *Ntsala*
126. Candice Whateley - 870907 0067 *** - Rua Sidonio Pais Bloco, H 7 3ESQ, Portimao, PORTUGAL, 0001 - *De Oliveira*
127. Malegodhi Joseph Mathabi - 910902 6349 *** - 43 Peter Cronje, THABA TSHWANE, 0187 - *Ramakgolo*
128. Tankane Epraim Bekwapi - 750427 5938 *** - 603 Montshiwa, MAHIKENG, 2735 - *Merementsi*
129. Thembelani Velenkosini Ngubane - 900629 5528 *** - 2144 Mbube Road, Unit 2, Imbali, PIETERMARITZBURG, 3200 - *Ntuli*
130. Nkanyiso Ngcebo Ndlovu - 981119 5375 *** - 6442 Phase 4, PIETERMARITZBURG, 3200 - *Gwamanda*
131. Khethani Lindo Magwaza - 020805 5246 *** - 672 Durban Village, DURBAN, 4001 - *Nzuza*
132. Thabang Harlet Serekiso - 910424 5669 *** - 10398 Magoegoe, MAHIKENG, 2745 - *Mutloane*

133. Ndimphiwe Masitla - 990317 5388 *** - 58 Flamink Street, HEIDELBERG, 2100 - *Pama*
134. Zinhle Joyce Ncube - 810922 0415 *** - Ezimpakameni Area, ULUNDI, 5838 - *Ngcobo*
135. Keabaka Lancelot Senna - 921013 5518 *** - 10580 Puana Section, GOPANE, 3993 - *Lefatshe*
136. Akheel Naicker - 941202 5136 *** - 59 The Huntsman, Firgroove, BELLVILLE, 7140 - *Khan*
137. Potswe Josiah Mogapi - 910829 6297 *** - 5542 PDP, Extension 4, DELMAS, 1400 - *Phura*
138. Thoriso Clyde Mosweu - 930818 5564 *** - 213 Emily Hobhouse Avenue, 106 Magaliescht, PRETORIA NORTH, 0100 - *Ntsoane*
139. Sifiso Edmon Malindi - 921023 5626 *** - 1041 B Maighetha Street, Phiri, SOWETO, 1818 - *Zwane*
140. Thozamile Herman Maako - 850407 5586 *** - 170 Block T, SOSHANGUVE, 0152 - *Dubo*
141. Anele Sibanesihle Mathonsi - 991216 6332 *** - 170348 Snothing, PIETERMARITZBURG, 3200 - *Zuma*
142. Refiloe Mofokeng - 930612 1351 *** - 030305 Milkyway Road, DASSENHOEK, 3601 - *Thabang*
143. Pfanani Patrick Munzhodzi - 030201 6090 *** - P O Box 37, MATIDZE, 0900 - *Manyatshe*
144. Mcdonald Bongane Moloantoa - 810329 5367 *** - House no 5160, Moonyane Street, Unit 13, MMABATHO, 2735 - *Hlangwana*
145. Simamkele Pilayini - 010721 5391 *** - 11133 Khobodi Street, PHILLIP, 7785 - *Fetumane*
146. Lutho Bhuda - 990205 5762 *** - Ngquba Village, STERKSPRUIT, 9762 - *Sishwaqa*
147. Antony Mthethwa - 710105 6230 *** - P O Box 1234, RICHARDS BAY, 3900 - *Zungu*
148. Tebogo Molefe - 860615 0291 *** - 1172 Moraka Street, Rockville, SOWETO, 1818 - *Lefatola*
149. Thabo Welcome Motlounge - 010414 5398 *** - 5495 Lakeside, ORANGE FARM, 1900 - *Mofokeng*
150. Emmech Xolani Khoza - 830525 5763 *** - 3432 Nhlati Street, Mohlakeng, RANDFONTEIN, 1759 - *Goba*
151. Tibisi Molebogeng Sekgobela - 890420 5793 *** - Bogalatladi, ATOK, 0749 - *Mathabatha*
152. Wian Van Tonder - 950606 5325 *** - 13 Estelle Avenue, MOOINOOI, 0200 - *Attwell*
153. Zondi George Buta - 741109 5538 *** - 218 Block T 2, SOSHANGUVE, 0152 - *Maja*
154. Raphael Nhlamulo Malatji - 910206 5631 *** - 37 Shitlakati Village, Marikana, GIYANI, 0200 - *Chabalala*
155. Sibusiso Bernard Mhlongo - 900122 5236 *** - House no 954, Stop 8, INANDA, 4309 - *Dube*
156. Thembinkosi Jikeka - 800202 7326 *** - 6661 Nomzamo, Mbeki Street, QUEENSTOWN, 5320 - *Josi*
157. Sibusiso Lucas Mahlangu - 881109 5115 *** - 2668 Kwatate Street, Extension 9, GERMISTON, 1400 - *Sikhosana*
158. Otukile Tshoagong - 830131 5516 *** - 44 Block E, MABOPANE, 0190 - *Luphoko*
159. Willie Nhlanhla Mkhali - 801010 5628 *** - 117 Chester Street, Phase 3, Buhle Park, GERMISTON, 1419 - *Petersen*
160. Buhlebuyeza Mhlongo - 001129 5722 *** - Brington Area, PIETERMARITZBURG, 3200 - *Ngcobo*
161. Zukisani Alfred Ziwele - 870505 5478 *** - 581 Block P, SOSHANGUVE, 0152 - *Tyaliti*
162. Benjamin Mmakgabo Ramabula - 790222 5541 *** - 11041 Juno, GA-MATLALA, 0100 - *Rakhutla*
163. Kopano Bridley Tsotetsi - 940708 5816 *** - 4672 / 51 Luvuyo Street, Extension 21, Phumula, ALBERTON, 1401 - *Zwane*
164. Mogoia Petrus Nzume - 770410 6037 *** - 265 Kabase Street, Bolakanang Location, BLOEMFONTEIN, 9300 - *Phepheng*
165. Keabetswe Pheta Mtshali - 980916 0143 *** - 33 Aqua Avenue, Aqua Park, TZANEEN, 0850 - *Manthata*

166. Mapogo Jeremiah Malatsi - 760407 5329 *** - Ga-Phasha, DRIEKOP, 1129 - *Makua*
167. Kgaugelo Kumba - 950823 0538 *** - Block X 719, SOSHANGUVE, 0152 - *Chuene*
168. Linah Matsabole Magomane - 640330 0742 *** - P O Box 177, THE OAKS, 1384 - *Raseona*
169. Mamoratoe Francina Mollo - 980222 0792 *** - 75 Mampe Street, White City, SPRINGS, 1575 - *Mabi*
170. Basil Bafana Hlahane - 810621 5252 *** - 1737 Joe Slovo Boulevard, Slovoville, ROODEPOORT, 2010 - *Ngubo*
171. Lesiba Trevor Matloa - 880302 5453 *** - 20 Chauke Street, SAULSVILLE, 0125 - *Mabusela*
172. Marcos Alberto Nhabanga - 701110 6311 *** - 43 Walmsly Street, NORTHMEAD, 1501 - *Nyabanga*
173. Letlhogonolo Moremong - 811001 5441 *** - 3040 Zone 3, ITSOSENG, 1490 - *Tlhale*
174. Mpho Frans Kgwele - 870901 5566 *** - 451 C Mzombane Village, MOKOPANE, 0600 - *Phasha*
175. Emile Pascal Bourreau-Nel - 960624 5042 *** - 340 Furrow Road, Equestria, PRETORIA, 0184 - *Nel*
176. Lindelani Raymond Nkosi - 860420 5361 *** - No 4937, OSIZWENI, 2952 - *Danisa*
177. Xolisani Nhlanhla Thusi - 021103 6131 *** - Thengani Area, NGWANASE, 3973 - *Madondo*
178. Terrence Mpho Bokang Ndou - 960124 5263 *** - 5 Erasmus Avenue, Norkem Park, KEMPTON PARK, 1618 - *Choma*
179. Johannes Solly Mwale - 860318 5371 *** - 12843 Emaphupheni, DAVEYTON, 1519 - *Mbonani*
180. Teboho Amos Mofokeng - 920313 5504 *** - 274 Extension 8, Qalabotsha, VILLIERS, 9840 - *Manci*
181. Joseph Bill - 730924 5605 *** - Mohlaba, Head Kraal, TZANEEN, 0550 - *Mason*
182. Justinus Radibono Mametse - 780210 5857 *** - No 3399, MARAPYANE, 0400 - *Sibidi*
183. Nothando Yvette Ndlovu - 000307 1133 *** - Stand no 6459, Extension 12, BARBERTON, 1300 - *Zitha*
184. Afikile Matshili - 990917 1417 *** - Kwamevana Township, HOWICK, 3201 - *Nogqai*
185. Lindokuhle Nokwabuza - 010930 6150 *** - D 688, Area 7 A, Amatikwe, INANDA, 4310 - *Dlamini*
186. Lusanda Nonhle Nkosi - 011231 1221 *** - Tholakele Area, EDUMBE, 3180 - *Simelane*
187. Siyabonga Mathebe - 021211 5680 *** - 10589 Umzinto Street, ALBERTON, 1450 - *Makotole*
188. Tshepo Chuma - 000731 6188 *** - P O Box 548, GIYANI, 0826 - *Maluleke*
189. Thabisile Petunia Khoza - 980726 1065 *** - Zwelisha, BERGVILLE, 3300 - *Dubazana*
190. Sabelo Mphiliseni Mtabela - 001111 6312 *** - Phoqukhalo Area, EDUMBE, 3180 - *Masondo*
191. Lesiba Japa Shogole - 700813 5952 *** - Mamaolo, MPHAHLELE, 0700 - *Kgoale*
192. Banele Ndlovu - 021008 5984 *** - Nhlabamkhasi Location, IMPENDLE, 3200 - *Zuma*
193. Sibuyiselwe Maholwana - 821023 6021 *** - B 5613 Temba Crescent, MFULENI, 7700 - *Xuba*
194. Siphesihle Tebogo Mokoena - 891119 5970 *** - 2884 A Bolani Road, Zola 1, SOWETO, 1868 - *Ximba*
195. Florence Thulile Majola - 860130 0868 *** - 6832 Lebethe Close, Ratanda, HEIDELBERG, 1441 - *Moshele*
196. Siphosethu Clerence Sedibe - 020924 5472 *** - Stand no 57, Phola Trust, HAZYVIEW, 1200 - *Zitha*
197. Mfumaneko Mdengethunga - 910719 5968 *** - NOqhekwana Area, PORT ST JOHNS, 5120 - *Makhosini*
198. Dumisile Thembelihle Hlatshwayo - 941207 1046 *** - P O Box 301, KWANGWANASE, 3973 - *Mthembu*
199. Nkosinathi Cyprian Memela - 960606 6349 *** - N 567, UMLAZI, 4001 - *Mzobe*

200. Dumisani Ntombekwana - 931115 6136 *** - Stand no 1887, Extension 22, EMBALENHLE, 2285 - *Hlezupondo*
201. Thandeka Priscilla Dube - 861028 0895 *** - 307 Credi Section, KATLEHONG, 2400 - *Twala*
202. Stela Jacob Nkabinde - 570907 5792 *** - 11 Vickers Street, DELMAS, 1022 - *Msiza*
203. Notandelakhe Cynthia Loliwe - 570828 0828 *** - Tshatshu Area, LADY FRERE, 5410 - *Fundakub i*
204. Mthethunzima Headman Roro - 570813 5871 *** - Qamata Area, COFIMVABA, 5380 - *Time*
205. Lungiswa Patricia Ntsholo - 790611 0724 *** - 32900 Machatho Street, KRAAIFONTEIN, 7570 - *Stemela*
206. Odile Segole - 020302 5698 *** - 2 Kgogo Street, Vanderhoof Park, POTCHEFSTROOM, 2520 - *Sehole*
207. Mosima Leah Tlhabadira - 580303 0856 *** - 2318 Extension 1, MOTHOTLUNG, 0269 - *Mokgotho*
208. Jabulani Johannes Zwane - 620730 5504 *** - 2291 Mphafa Street, PIMVILLE, 0100 - *Khoza*
209. Orah Nomusa Mthembu - 670614 0321 *** - 762 Snethemba Area, KWANDENGEZI, 3601 - *Hlatshwayo*
210. Gladness Bongiwe Thusi - 591123 0665 *** - 53 Blue Bell, PINETOWN, 3610 - *Mhlongo*
211. Njabulo Gift Mthembu - 901120 6403 *** - A 85 Infill Place, KWADABEKA, 3610 - *Zondi*
212. Themba Alphonsusliquori Manzini - 831219 5696 *** - 1298 Section D, MAMELODI WEST, 0180 - *Thamane*
213. Ludwe Mfana - 760629 5818 *** - Gobe Area, CENTANE, 5100 - *Dlulisa*
214. Sisanda Noluthando Mtolo - 030214 1372 *** - Block 59 D, Unit 29, UMLAZI, 4001 - *Ntaka*
215. Piet Bafana Matukane - 740606 5891 *** - 14151 Extension 13, SOSHANGUVE, 0152 - *Bhila*
216. Wandile Akhona Mkize - 021118 5980 *** - 33 Sol Harris Crescent, DURBAN, 4001 - *Mbuyazi*
217. Good-Man Recardo Mabila - 850622 6196 *** - P O Box 485, MKHUHLU, 1246 - *Mashile*
218. Maria Notisa Maluleke - 641019 0432 *** - 962 Block T, SOSHANGUVE, 0152 - *Ngobeni*
219. Londeka Nokufika Ntjoboko - 771007 0302 *** - 11265 tshwere Street, Blomanda, BLOEMFONTEIN, 9300 - *Sibiya*
220. Ayanda Sabelo Mdletshe - 010312 5739 *** - 176 Comubia Area, VERULAM, 4001 - *Dludla*
221. Duduzile Theo Lepota - 801010 2075 *** - 1143 Mpanza Street, VOSLOORUS, 1475 - *Khumalo*
222. Ntombizonke Pretty Nxumalo - 830527 0861 *** - P O Box 561, BOTHA'S HILL, 3660 - *Hadebe*
223. Glen Rito Khosa - 990320 6122 *** - Stand no 684, Homu 14 B, GIYANI, 0826 - *Hlakathi*
224. Elias Lethabo Makwela - 990914 6282 *** - P O Box 1120, SOVENGA, 0727 - *Mehlape*
225. Neo Mahlogonolo Masekela - 940321 6072 *** - 1122 Moeding Street, LEBOWAKGOMO, 0701 - *Tlowana*
226. Mabusetsa Jeremia Sello - 980325 6027 *** - 508 Sekakene Village, DWARSRIVER, 0700 - *Malatji*
227. Thabang Ernest Lelokoane - 871105 6030 *** - 30430 Ratsara Section, DINOKANA, 2800 - *Mokgathe*
228. Amos Tease - 890418 6061 *** - House no 2884, LEDIG, 0338 - *Masilo*
229. Mthusi Jayson Kobese - 830905 6216 *** - Motswedi Village, Nkaikela Section, LEHURUTSHE, 2870 - *Lekgetho*
230. Leratamang Ramukhuvathi - 890723 6062 *** - 30 Dewald Harting Street, Mckenzie, BENONI, 1500 - *Mabatha*
231. Medupi Elijah Selamolela - 830404 6871 *** - Taaibosch, BOCHUM, 0790 - *Manabalala*
232. Refiloe Carol Khunou - 980513 0672 *** - House no 275, MAILE, 0300 - *Mmolotsi*

233. Lucky Lesiba Sebothoma - 820624 5706 *** - 39572 Israel Pharasi Street, Extension 18, MAMELODI EAST, 0122 - *Kekana*
234. Albert Ganto - 800310 6512 *** - 4269 Sewe De Avenue, Newtown, FORT BEAUFORT, 5720 - *Jonas*
235. Phidile Bergh - 980927 5059 *** - 1025 Blackleopard Street, NELLMAPIUS, 0182 - *Sehata*
236. Vhulahani Mushumi - 820909 2385 *** - Mahematshena, VUWANI, 0952 - *Tshilondola*
237. Kutlwano Advocate Jood - 021209 0152 *** - House no B29, Glenred Village, KURUMAN, 8460 - *Ntlhaile*
238. Malibongwe Philani Khumalo - 020519 5805 *** - NO B1300, Section 2, MADADENI, 2951 - *Mthimkhulu*
239. Thapelo Maqhena - 020216 5649 *** - 2298 Manyang Village, WITSIESHOEK, 9870 - *Molefe*
240. Sisanda Dlambeni - 960830 1162 *** - Ny 64, No 172, GUGULETHU, 7750 - *Nogoova*
241. Thulisile Mthuli - 021025 0644 *** - 7 B Mthiwe Road, INANDA, 4020 - *Mbatha*
242. Advocate Mahlakoane - 980924 6178 *** - P O Box 53, BUSHBUCKRIDGE, 1280 - *Mphangane*
243. Phumelele Sidwell Gambu - 881201 5337 *** - 6096 Nqokolo Street, Zone 5, PIMVILLE, 1809 - *Nkosi*
244. Katlego Mabale - 890226 5322 *** - 211 Nyenyenama Street, Extension 8, TSAKANE, 1550 - *Ncene*
245. Mbulelo Matshoba - 010616 5648 *** - 7180 Extension 4, TSHEPISO, 1928 - *Tafu*
246. Lucky Letlhogonolo Motlhaping - 810520 5471 *** - 69 C Cumming Road, ELDORADO PARK, 1813 - *Ragophala*
247. Sandile Sipho Xulu - 890223 6253 *** - 1970 Matheo Street, Extension 13, OLIEVENHOUTBOSCH, 0157 - *Mdluli*
248. Phumza Statela - 791121 0669 *** - 3 Ncerha Village, Kidds Beach, EAST LONDON, 5200 - *Langatye*
249. Sekantane David Mapheto - 640428 5384 *** - Stand no 8178, Marikana Street, BELA-BELA, 0480 - *Mapheto-Mashaku*
250. Mlungisi Musawenkosi Mhlono - 800121 5649 *** - Kwambela Area, HLUHLUWE, 3960 - *Ndlovu*
251. Thulani Bhekinkosi Gumede - 580826 5867 *** - Shakaville, KWA-DUKUZA, 4450 - *Mbokazi*
252. Tsholofelo Macmillan Seemola - 810914 5406 *** - 408 Brighton Court, 22 Ockerse Street, HILLBROW, 2001 - *Tlhabanelo*
253. Mbulelo Tebogo Mongwaketse - 961122 5222 *** - 137 Livingstone Street, VRYBURG, 8600 - *Ntlabathi*
254. Thalente Mbonisa - 930215 5975 *** - 4718 Umsimbithi Street, BIRCH ACRESS, 1618 - *Mhlono*
255. Nhlanhla Lucky Ngwenya - 971024 5631 *** - 8271 Tau Street, THOKOZA, 1400 - *Mgidi*
256. Lesiba Hendrick Nyaku - 970101 5750 *** - Tenneriff, BOCHUM, 0790 - *Malapile*
257. Angelo Scheepers - 901025 5329 *** - 30 King Street, PARKDENE, 6500 - *Armoed*
258. Thapedi Steve Malefo - 730420 6037 *** - Stand no 1161, Tweefontein A 2, TWEEFONTEIN, 1020 - *Tswai*
259. Nokuthula Precious Mtshali - 870312 1253 *** - 27 Cecilia Road, RISIDALE, 2095 - *Mgaga*
260. Kagisho Shopho - 030821 5278 *** - 10710 Seckolo Street, Phelindaba, BLOEMFONTEIN, 9301 - *Changela*
261. Sabelo Sedibe - 940529 5902 *** - P O Box 110, HAZYVIEW, 1242 - *Mpofu*
262. Mbalekelwa Elkim Mabaso - 570225 5755 *** - Stand no 1890, KABOKWENI, 1200 - *Malope*
263. Thabo More - 841010 7341 *** - House no 1943, Betuel Section, KANANA, 0300 - *Montsho*
264. Linda Molau Ndala - 020708 5979 *** - 16605 Extension 2, IVORY PARK, 1685 - *Leeuw*
265. Bafana Johnson Mkwana - 560622 5730 *** - 159 B Matombeni Street, Mfola Village, SOWETO, 1717 - *Ramosunya*
266. Crossby Moeketsi Moruthane - 650811 5523 *** - 562 Dhlomo Street, Wattville, BENONI, 1500 - *Sekgaolelo*

267. Elizabeth Moleko - 521028 0592 *** - House no 2690, Utiwanang, CHRISTIANA, 8500 - *Mohutsiwa*
268. Ndokiseni Albert Matshakatshe - 590808 5367 *** - P O Box 1265, MUTALE, 0956 - *Shandukani*
269. Rigger Bafo Chophiso - 540610 6080 *** - Qumanco Area, COFIMVABA, 5380 - *Nkatazo*
270. Thabiso Tyrone Maja - 021207 5912 *** - 10812 Clinic Street, DAVEYTON, 1501 - *Mahlangu*
271. Karabo Seretlo - 020105 0547 *** - 10047 Ga-Matlala, NTLOLANE, 0741 - *Mabokano*
272. Tandekile Nzoyi - 850904 5584 *** - 30 Mthatha Drive, MILNERTON, 7441 - *Anta*
273. Simphiwe Mokoena - 920104 5985 *** - 90 B Indoni Street, Zone 4, Meadowlands, SOWETO, 1857 - *Dlamini*
274. Andile Mathonsi - 990228 0590 *** - E 601 Portview, 30 Diakonia Avenue, DURBAN, 4001 - *Mathenjwa*
275. Nonceba Moketsisi - 941010 1739 *** - Trust Feed, PIETERMARITZBURG, 3200 - *Miya*
276. Michael Moipolai - 961105 6201 *** - New Stand, Damros Village, KURUMAN, 8460 - *Visagie*
277. Precious Rakobo - 830815 1474 *** - 6095 Zone 5, SOWETO, 1717 - *Selawe*
278. Makelepe Joseph Mashilo - 640508 5412 *** - 20127 Zakheni, KWAMHLANGA, 1022 - *Hlophe*
279. Xolani Goodman Ntombela - 910105 6146 *** - 100411 Kwangubeni Location, PIETERMARITZBURG, 3200 - *Shange*
280. Charles Yingwane Malungane - 820624 6140 *** - Stand no 811, MAKHADO, 0920 - *Rivombo*
281. Forgive Mathebula - 940208 6082 *** - Stand no 354, BELFAST, 1201 - *Nkuna*
282. Mahlatse Steyn Ramoshaba - 940704 6368 *** - House no 1661, Winnie Mandela, Zone 10, TEMBISA, 1632 - *Ramaremele*
283. Chado Seoloana - 910926 6305 *** - Molelane, ZEBEDIELA, 0628 - *Kekana*
284. Sphelele Minenhle Mtshali - 940307 5995 *** - 1831 Filila Street, SOWETO, 1717 - *Ntsele*
285. Zoleka Rosemary Peter - 710817 0753 *** - 43 Mfelane Street, Extension 4, MFULENI, 7100 - *Nkohla*
286. Victor Vuyo Phora - 861204 5930 *** - 5555 Katse Close, Unit 14, MMABATHO, 2735 - *Bosman*
287. Fhatuwani Thelma Makhomu - 800212 1010 *** - Duthuni, THOHOYANDOU, 0970 - *Maphisa*
288. Luyanda Kwethemba Khethimpilo Nkosi - 980728 5716 *** - B 7571 Ward 17, OSIZWENI, 2952 - *Hlatshwayo*
289. Ephraim Khumoetsile Rikhotso - 791021 5316 *** - 30164 Forong Section, KOFFIEFONTEIN, 2848 - *Motsewakhumo*
290. Owen Sikhumbuzo Moluli - 880707 5590 *** - Stand no 58, Ivory Trust, KABOKWENI, 1245 - *Mdluli*
291. Nicole Morgan - 020218 0245 *** - 8 Somerset Street, NIGEL, 1490 - *Smit*
292. Thabo Caesar Mmotshi Mogane - 780417 5540 *** - 3815 Extension 3, Mahube Valley, MAMELODI EAST, 0122 - *Mogajane*
293. Mkhululi Mbonyana - 821129 5550 *** - MVuzi Area, MT AYLIFF, 5090 - *Makaula*
294. Meleko James Mabe - 681107 5904 *** - House no 70, Dithwaneng Section, MADIBOGO, 2779 - *Lesolle*
295. Modiriemang James Morwakwena - 790105 6482 *** - 871 Disaneng Village, MAHIKENG, 2730 - *Mmusi*
296. Danél Erasmus - 960618 0113 *** - 16 Vazes Crescent, KIMBERLEY, 8345 - *Norval*
297. Chele Jackson Mazwi - 620609 5356 *** - Lenting, GA-MPHAHELE, 0737 - *Mphahlele*
298. Hunter Joan Le Roux - 000824 0259 *** - 16 Yates Crescent, Monument Heights, GALESHEWE, 8345 - *Norval*
299. Mzomuhle Mabaso - 950517 6009 *** - Mshayazafe, ESTCOURT, 3310 - *Chonco*

300. Mzuvukile Mgoduswa - 860706 5843 *** - 3768 Kgwele Street, Windmill Park, Extension 9, BOKSBURG, 1459 - *Mjuba*
301. Sipho Joseph Mokobaki - 760404 5464 *** - 124 Matsitsi, MPUDULLE, 1057 - *Mathibela*
302. Mokete Samuel Lenonyane - 840421 5959 *** - Stand no 67, NEBO, 1069 - *Mahlare*
303. Simone Dameviy Van Louw Ismail - 980904 0080 *** - 7 Smit Street, Elsburg, GERMISTON, 1428 - *Van Louw*
304. Vuiwe Floyd Mocumi - 810523 5638 *** - 04 Midas Square, MABOPANE, 0190 - *Zihlangu*
305. Bongumusa Louis Eugene Mlanduli - 870906 5571 *** - 8 Labistore Place, WOODLANDS, 4004 - *Mncwanga*
306. Karabo Mfolo - 980804 5342 *** - 8322 Morula View, Phase 2, GA-RANKUWA, 0300 - *Masemini*
307. Celokuhle Xaba - 970209 5505 *** - 8414 Cator Crest, MAYVILLE, 4020 - *Kweyama*
308. Leonard Leon Makhubela - 860411 6130 *** - P O Box 882, ACORNHOEK, 1360 - *Molamudi*
309. Bongani Mathonsi - 970430 5920 *** - 2657 Mongwe Street, Chiawelo, SOWETO, 1818 - *Masingi*
310. Lentikile Abel Masedi - 820102 6060 *** - Motlhabeng Village, MAFIKENG, 2745 - *Mojaki*
311. Lindiwe Lillian Mchunu - 630207 0530 *** - 1051 Mond Road, IMBALI, 3219 - *Mkize*
312. Samuel Tebogo Nazo - 951102 5288 *** - 6060 Extension 10, JOUBERTON, 2574 - *Lerefolo*
313. Themba Amos Kuhlase - 700920 5542 *** - 3037 Extension 2, Everest Park, WESSELTON, 2350 - *Shabalala*
314. Tefo Adolf Kwele - 881206 5943 *** - 757 Kololo Street, Paardekraal, Extension 1, BOITEKONG, 0309 - *Ramakobya*
315. Setemere Jack Monyela - 801223 5704 *** - P O Box 193, POLOKWANE, 0700 - *Mokgolobotho*
316. Enoch Solly Ntikane Mmoledi - 770122 5814 *** - 1057 Phase 6, MABOPANE, 0190 - *Malebati*
317. Thandazani Vusumuzi Gumede - 750603 5887 *** - Ntombiziyaqama Reserve, MAHLABATHINI, 3865 - *Cele*
318. Lebohlang Neo Moeti - 011230 6209 *** - 7 Petunia Place, Schuunshoogte, NEWCASTLE, 2940 - *Diudla*
319. Thulasizwe Sean Mbatha - 900404 5309 *** - Sun Spruit Farm, NEWCASTLE, 2940 - *Zwane*
320. Donald Phuti Malefatlho - 840912 5436 *** - 2968 Manyeleti Section, Temba, HAMMANSKRAAL, 0407 - *Mathabatha*
321. Bongani Gift Cindi - 901028 5700 *** - 455 Tulip Street, DOBSONVILLE, 1700 - *Ndela*
322. Lebogang Raisibe Dinah Mapeka - 830808 0371 *** - 8729 Vilakazi Street, SHARPEVILLE, 1900 - *Phalli*
323. Tumisane Ramolefo - 920520 5998 *** - Tickyline, NAPHUNO, 0857 - *Mametja*
324. Mosike Beaunice Mangena - 000828 0916 *** - Stand no 1709, Hlabine Village, NAPHUNO, 0800 - *Mogoboya*
325. Saprice Ramolefo - 000226 5309 *** - Tickyline, NAPHUNO, 0857 - *Mametja*
326. Florence Themba - 910408 0475 *** - 430 Marshall Street, JEPPESTOWN, 2010 - *Molete*
327. Collins Vincent Themba - 800715 5347 *** - 8582 Mlambo Street, ORLANDO WEST, 1804 - *Molete*
328. Jimmy Themba - 930110 5660 *** - 430 Marshall Street, JEPPESTOWN, 2010 - *Molete*
329. Esther Themba - 860329 0329 *** - 822 Gwele Street, DOBSONVILLE, 1863 - *Molete*
330. Nicholas Bongani Vilakazi - 860321 5352 *** - 12 Thomas Street, KRIEL, 2271 - *Mahlangu*
331. Fallo Jeremia Motseneng - 680707 6124 *** - 3742 Extension 1, STANDERTON, 2430 - *Motaung*
332. Obed Matsobane Maphothoma - 860520 5469 *** - B 165, Sewotlolo, MBIBANE, 0472 - *Magoro*
333. Leboga Shane Mashile - 920906 5632 *** - P O Box 736, SHATALE, 1282 - *Machete*

334. Mulalo Happy Khonzani - 780808 5821 *** - 34 Kingdom Street, Stand no 7086, IVORY PARK, 1632 - *Mathada*
335. Mashudu Lucky Ramalebane - 830706 5493 *** - 1342 Extension 2, RABIE RIDGE, 1600 - *Mashau*
336. Thelma Themba - 820513 0362 *** - 9257 Mkwai Street, ORLANDO WEST, 1804 - *Molete*
337. Maropene Lloyd Matlou - 850429 5688 *** - Extension 2, IVORY PARK, 1769 - *Maluleke*
338. Chenwill Mojalefa Nyalungu - 950219 5705 *** - P O Box 1058, ACORNHOEK, 1360 - *Chiloane*
339. Xolane Vika - 020620 6140 *** - 1288 Extension 4, COLIGNY, 2725 - *Mbane*
340. APhiwe Goge - 031018 0562 *** - H 2641 Codesa Road, UMLAZI, 4066 - *Makhanya*
341. Ayanda Zondi - 031031 6145 *** - B 1095 Ncotshane, PONGOLA, 3170 - *Mkhize*
342. Edmond Sentsho Nobanda - 660818 5310 *** - 2925 Crescent, Brooklands, Kosmosdal, CENTURION, 0157 - *Mehlomakhulu*
343. Thokozile Winnie Moloi - 720515 0804 *** and a minor child – Kwanele Eunice Moloi – 100108 0597 *** - Roosboom, LADYSMITH, 3370 - *Mthembu*
344. Gladwell Tonic Mogorosi - 850131 5867 *** - your wife – Felicia Kelebogile Mogorosi – 890703 0968 *** - and four minor children – Oratile Benevolent Mogorosi – 130305 6367 *** - Letlotlo Bonhomous Mogorosi – 180201 5737 *** - Gracious Mathogonolo Mogorosi – 110312 5113 *** - Mohau Tshireletso Mogorosi – 191127 5570 *** - 50101 Khundu Section, Lekgalong, RUSTENBURG, 0308 - *Batlatsi*
345. Violet Nelisiwe Miya - 920302 1427 *** and a minor child – Sandile Miya – 130416 6097 *** - 1474, TWELING, 9820 - *Motaung*
346. Zamikhaya Mkhalihi - 790626 6173 *** your wife – Nokuthula Mkhalihi – 820905 0473 *** - and two minor children – Nqobile Mkhalihi – 140516 6110 *** - Zukisa Konke Mkhalihi – 100908 5103 *** - 484 Nomaqua Street, Steenvilla Complex, STEENBERG, 7945 - *Sijemlana*
347. Gabriel Dumisani Mngadi - 690826 5548 *** - and your wife – Tholakele Mngadi – 710324 0549 *** - 1706 Blair Athol Road, NEW GERMANY, 3610 - *Nyathi*
348. Maube Joseph Sebeshe - 700801 5646 *** - your wife – Machuene Elizabeth Sebeshe – 770808 0321 087 - and two minor children – Lebohang Refiloe Sebeshe – 091001 0280 *** - Thato Choene Sebeshe – 140223 0318 *** - Stand 264, MOOMANE, 0450 - *Tladi*
349. Koketso Makgoka - 000615 0578 *** - and minor child – Venter Hamilton Makgoka – 170604 5548 *** - House No 440, APRICORN PARK, 0870 - *Chauke*
350. Lindiwe Porcia Mbatha - 981211 0857 *** - and a minor child Amogelang Nkosimphile Mbatha – 160425 1101 *** - House No 149 Dagga Kraal No 2, DAGGA KRAAL, 2491 - *Mofokeng*
351. Bonisiwe fezile khumalo - 971107 1046 *** - and a minor child Amukelokuhle Sinaye Khumalo – 190629 5811 *** - Nkomkazini Area, Loskop, ESTCOURT, 3330 - *Mazibuko*
352. Salang David Moloi - 720508 5596 *** - and two minor children – Refiloe Hope Mehlomakhulu 051102 0291 *** - Keitumetse Angel Mehlomakhulu – 020211 0320 *** - 789 Kwenele, Extension2, KATLEHONG, 1431 - *Molefe*
353. Babalwa Manga - 840201 0477 *** - and two minor children – Akhanani Manga – 141008 5182 *** - Avumile-Alulutho Manga – 050411 0577 *** - 46 Ntlazanae Street, KHAYELITSHA, 7784 - *Diniso*
354. Mkhanyiseleni Cornelius Ndaba - 600309 5575 *** - your wife – Ntombi Nelisiwe Ndaba – 680415 0837 *** - and two minor children – Kwanele S'feziwe Ndaba – 080717 6012 *** - Ntandoyenkosi Zama Ndaba – 050724 6210 *** - Kwalubisi Area, PONGOLA, 3170 - *Ntshangase*
355. Sandile Oscar Khuzwayo - 810222 5896 *** - your wife – Philile Petronella Khuzwayo – 840924 0510 *** - and two minor children – Khwezi Sphephelo Makhanya – 100429 5617 *** - Zoe Nonkanyiso Khuzwayo – 190718 0983 *** - 1 Thornbrooke, PHOENIX, 4068 - *Miya*
356. Tharollo Tilly Mphahlele - 950329 0624 *** - and a minor child – Wisdom Bonolo Mphahlele – 131120 0989 *** - P O Box 3345, MPHAALELE, 0736 - *Kau*
357. Manankele Moses Mazwi - 680208 5776 *** - and your wife – Raesibe Sarah Mazwi – 690422 0750 *** - Stand No 20154, Serageng, GA MAMPANA, 0465 - *Mapadimeng*
358. Khatha Thato Leopeng - 781014 5382 *** - your wife Matsietso Maria Leopeng – 800226 0632 *** - and three minor children – Palesa Masediba Leopeng – 100624 0628 *** - Mofate Jessie Leopeng – 020923 0287 *** - Mosa Mpone Leopeng 080613 0298 *** - 530 Seeiso Ville, KROONSTAD, 9499 - *Mogotlane*

359. Sipho Wilson Mokoena - 620409 5740 *** - and your wife Nurse Sarah Mokoena – 641216 0639 *** - Emzinonn Township, BETHAL, 2310 - *Six*
360. Gomotsegang Maepe - 930621 1106 *** - and a minor child – Monthathi Maepe – 150713 5241 *** - House No 218, Laxey Village, KURUMAN, 8460 - *Kgaudi*
361. James Madolo - 530610 5923 *** - your wife Nolindile Madolo – 671212 1462 *** - and two minor children – Luxolo Madolo – 041011 5379 *** - Mlamleli Madolo – 111211 5448 *** - Lower Kroza Area, QUMBU, 5780 - *Mfazwe*
362. Johannes Hleke Cqulo - 640529 5448 *** - and your wife – Ketura Martha Cqulo – 660602 0429 *** - - 452 F4 New Eesterus, SOSHANGUVE, 0152 - *Nkoana*
363. Mahlodi Carlifornia Maela - 950824 02315 *** - and a minor child Thato Bohale Maela – 200224 5279 *** - Inveraan, BOCHUM, 0790 - *Makgothoma*
364. Onkgomoditse Marame - 950315 1251 *** - and a minor child Kitso Marame – 170207 5098 *** - 142 Suurdeg Village, KURUMAN, 8460 - *Ditake*
365. Makani Grace Matlala - 610923 0691 *** - - 3745 Mmachidi Section, MATHIBESTAD, 0418 - *Mahloma*
366. Boitumelo Immaculate Rakgwale - 971024 0565 *** - and a minor child – Amogelang Mervin Rakgwale – 160811 5214 *** - Stand No 281, Bellville, GA SEKORORO, 0890 - *Mashala*
367. Marenda Suprise Mbulali - 990410 0200 *** - and a minor child Kgothatso Amahle Mbulali – 190925 0886 *** - 25206 Matsimela Street, KWA THEMA, 1575 - *Khumalo*
368. Pius Sthembiso Ndlovu - 690129 5796 *** - and your wife – Stephania Nomusa Ndlovu – 650705 0682 *** - A618 Majika Road, INANDA, 4310 - *Mokoena*
369. Mamello Boitumelo Mabula - 980331 0362 *** - and a minor child – Amohelang Oratiloe Mabula – 160713 0223 *** - 314 Wilge Street, Barkenpark, BETHLEHEM, 9701 - *Mbele*
370. Desmond Tshepiso Letebele - 830321 6207 *** - your wife Omphemetse Kgaugelo Letebele – 901103 0430 *** - and a minor child – Refentse Letebele – 180808 1546 *** - 971 Kagiso Avenue, KAGISO 2, 1754 - *Modisakeng*
371. Christopher thathane mhlana - 710909 5373 *** - your wife Veronicah Enicah Mhlana – 770616 0778 *** - and a minor child – Kagiso Mhlana 051008 5851 *** - Stand No 2001, Extensiond, SIYABUSWA, 0472 - *Ngobeni*
372. Juliet Choene - 870609 0794 *** - and two minor children – Karabo Choene 060524 6252 *** - Kgotsfalo Choene – 080731 6472 *** - Vergelegeng, JANE FURSE, 1085 - *Mogoru*
373. Thomas David Kgomo - 610205 5799 *** - and your wife – Nomvula Josephine Kgomo – 601218 0734 *** - Stand 17101, Extension 17, EMBALLENHLE, 2285 - *Munyakeni*
374. Bongani Cikolo - 730411 5842 *** - your wife – Wandiswa Ntswane-Cikolo – 800214 0500 *** - and two minor children – Ngodi Cikolo – 070415 5257 *** - Stefane Junior Cikolo – 101218 6101 *** - Decolngney Location, MTHATHA, 5099 - *Stefane*
375. Lebogang Shaida Tshabalala- 860809 0389 *** - and two minor children – Rethabile Tshabalala – 120615 5152 *** - Tiro Koketso Tshabalala – 140602 5680 *** - 355 Maunde Street, ATTRIDGEVILLE, 0008 - *Sehlapelo*
376. Stanley Meshack Mohlamonyane - 690827 5545 *** - your wife – Nonhlanhla Mariah Mohlamonyane – 741030 0652 *** - and a minor child – Sifiso Meshack Nkutha – 071231 5227 *** - 3303 Cele Street, STANDERTON, 2430 - *Hadebe*
377. Kgarara Paulus Mbele - 630901 5530 *** your wife Rebecca Maluka Mbele – 661220 0538 *** and a minor child – Bongani Mbele – 051213 5171 *** - 71 Esangweni Extension, Marumo Street, TEMBISA, 1620 - *Mokoena*
378. Letshangwa Patrick Thoka - 540129 5309 *** and your wife – Elina Thoka – 580929 0802 *** - 267 Block A, MABOPANE, 0190 - *Matsha*
379. Jacob Fana Nhlapho - 760709 5522 – your wife – Akhona Nomava Nhlapho – 790918 0704 *** - and three minor children – Lebo Angel Nhlapho – 031013 1248 *** - Lwazi Nhlapho – 061114 1216 *** - Thabo Nhlapho – 081112 6514 *** - 814 Khumalo Street, Thokoza, ALBERTON, 1426 - *Tshabalala*
380. Xomile Thomas Monareng - 450625 5498 *** - and your wife – Salome Ramatsobane Monareng – 510714 0381 *** - Stand No 77, Monsterlus, MPUDULLE, 1057 - *Rakgalakane*
381. Thabiso Siyanda Mkhize - 800508 5572 *** - and two minor children – Wenzwe Noxolo Mkhize – 080213 0464 *** - Kwenzokuhle Sikhanyiso Mkhize – 150911 5572 *** - 3 Wade Road, AMANZIMTOTI, 4126 - *Myeza*

382. Collen Thabo Mahlangu - 831212 5413 *** - your wife – Zanele Germinah Mahlangu – 821128 1141 *** - and two minor children – Atlegang Baatile Zwelihle Mahlangu – 161123 5205 *** - Amogelang Zwelakhe Mahlangu – 071221 6158 *** - 26942 Extension 8, Legadima Street, MAMELODI, 0122 - *Matsane*
383. Tebogo sehati - 910510 0570 *** - and a minor child – Kgekgethi Prince Sehati – 111216 5992 *** - Mathibedi, GROOTHOEK, 0628 - *Mametja*
384. Mpho Sehati - 941219 0505 *** - and a minor child Mogau Angelina Sehati – 171219 0529 *** - Mathibedi, GROOTHOEK, 0628 - *Mametja*
385. Fikile Johannes Mahuma - 750312 5939 *** - your wife – Christinah Mahuma – 810304 1026 *** - and four minor children – Olebogeng Mahuma – 050920 1075 *** - Tlamelo Mahuma – 070722 1209 *** - Warona Mahuma – 090930 6482 *** - Oarabile Tiisetso Mahuma – 150831 5099 *** - House E 159, Tswara Section, PHOKENG, 0335 - *Phetoane*
386. Lefu Simon Mokoena - 921012 6128 *** - and a minor child Xolani Alfred Mokoena – 170613 5479 *** - 1631 Volgeffontein, Bakenpark, BETHLEHEM, 9703 - *Maxatshwa*
387. Sebako Pertunia Sethole - 930717 0883 *** - and two minor children – Kalane Blessing Sethole – 130228 5532 *** - Happiness Lehlogonolo Sethole – 150105 0705 *** - Stand No 363 R D P, JANE FURSE, 1087 - *Makweng*
388. Mapaseka Mohosho - 940402 0328 *** - and a minor child Atlehang Briannah Mohosho – 150323 0104 *** - 13490 Koekoe Village, KROONSTAD, 9499 - *Seboka*
389. Nasia Musi Mokhotsi - 020517 0631 *** - and a minor child – Kalosho Malose John Mokhotsi – 180613 6191 *** - Mogoro, ZEBEDIELA, 0632 - *Baloyi*
390. Aba George Nawane - 640404 6457 *** - your wife – Kelebogile Maria Nawane – 660101 3085 *** - and two minor children – Kamogelo Nawane – 070118 1243 *** - Gabarone Nawane – 070118 6248 *** - Gopane Village, 50293 Mokal;A Section, ZEERUST, 2882 - *Motshwaedi*
391. Moses Gaotime - 701127 5821 *** - your wife – Keitumetse Revelation Gaotime – 831008 0358 *** - and two minor children – Oarabile Molaakgosi – 090417 1170 *** - Musa Omogolo Gaotime – 130923 6134 *** - 8191 Molefe Street, THOKOZA, 1426 - *Ramathibela*
392. Tebatso Lekate Ngomane - 960327 0869 *** - and two minor children – Thandolwethu Ngomane – 151224 1295 *** - Kamogelo Ngomane – 210216 1298 *** - Ga Moretsele, JANE FURSE, 1085 - *Sepuduma*

DEPARTMENT OF HOME AFFAIRS

NO. 1556

3 December 5

ALTERATION OF FORENAMES IN TERMS OF SECTION 24 OF THE BIRTHS AND DEATHS REGISTRATION ACT, 1992 (ACT NO. 51 OF 1992)

The Director-General has authorized the following persons to assume the forename printed in *italics*:

1. Emmah Mosia - 830329 0779 *** - 207 Mofokeng Street, MOROKA NORTH, 1818 - *Emmah Motshidisi*
2. Nontobeko Merely Gumede - 960825 0341 *** - 2 Twin Peaks, Mount Simon Estate, STELLENBOSCH, 7600 - *Nontobeko Nolwandle*
3. Shakireen Iqbal Parker - 980316 5331 *** - Hoek Close 6, LANSDOWNE, 7780 - *Shaakireen*
4. Tokologo Mokotedi Radingwana - 921222 5578 *** - Radingwana, SEKHUKHUNE, 1124 - *Podile Tokologo*
5. Elisa Gasekhuthe Dithejane - 900310 1093 *** - 1a Roodtlaan Street, WOLMARANSSTAD, 2630 - *Lisa*
6. Petronella Jacoba Louw - 941202 0135 *** - 706 Nuwe Uitbreiding, Kieppie Street, TOUWSRIVIER, 6880 - *Petronella*
7. Nosandise Ntlonga - 760424 0313 *** - 28814 Gg's Ground, Missionvale, PORT ELIZABETH, 6059 - *Nonzame Sylvia*
8. Namane Khumotso Mosoma - 860606 1093 *** - Diphale, DRIEKOP, 1129 - *Phillistas Khomotso*
9. Samkelo Moron Maseko - 010123 5758 *** - 6599 Empumelweni, Extension 8, EMALAHLENI, 1192 - *Samkelo Dybala*
10. Luke Jaftha - 951020 5216 *** - 32 Welgelgen Avenue, STRANDFONTEIN, 7798 - *Luca*
11. Chad Patrick Less - 930613 5127 *** - 4 Nerina Way, THORNTON, 7640 - *Zakariyah*
12. Gladys Shilela Lentsoana - 800704 0615 *** - 312 Trans Burger Flat, 308 Jeff Masemola Street, PRETORIA, 0001 - *Nthabiseng Shilela*
13. Yamkela Diko - 931008 0375 *** - 29 Central Street, Schornville, KING WILLIAMS TOWN, 5600 - *Yamkela Samantha*
14. Lekgetla Hebron Mahlako - 841126 5534 *** - 235 Igqagqa, Extension 1, TEMBISA, 1632 - *Lekgetla Ronnie*
15. Theo Henry Gordon - 940422 5173 *** - 133 Church Street, Bo-Kaap, CAPE TOWN, 8007 - *Cloé*
16. Thabo Jacob Modisane - 880804 5489 *** - 79 Mmantsie, ZEERUST, 2880 - *Modisane Jacob*
17. Santino Charles - 970723 5393 *** - 5 North Road, Kewtown, ATHLONE, 7764 - *Mogamad Nawaaz*
18. Tefello Mainoë Mphatsoane - 000328 5314 *** - 905 Nkuzane Street, Zweletemba, WORCESTER, 6850 - *Tefello Kopo*
19. Rianetsi Mcapukisi - 000803 0488 *** - 28 Diaz Street, BOTHASIG, - *Reanetsi*
20. Mapula Victoria Rangwato - 971003 0579 *** - 471 Mapolankeng, GA-KGAPANE, 0838 - *Boitumelo Mapula Victoria*
21. Sarah Zondiwe Pitso - 980401 0874 *** - 5242 Jabe Marks Street, Phahameng, BULTFONTEIN, 9070 - *Sarah Mamello*
22. Ramito Mokwagane - 881223 5388 *** - 920 Rietview, LETLHAKANENG, 0050 - *Ramito Moses*
23. Ntombizodwa Catherine Mnguni - 820522 0514 *** - Unit 1 Michelle Street, Protea Gardens, MEYERTON, 2019 - *Joy Catherine Ntombizodwa*
24. Paulos Phehle - 900203 5983 *** - 14632 Ndebele Street, Extension 8b, ORANGE FARM, 1841 - *Tokollo*
25. Allison Francis Thompson Thompson - 960910 0028 *** - 137 Louis Thrichardt, VANDERBIJLPARK, 1911 - *Allison*
26. Kgole Jacqueline Kwata - 880302 0548 *** - 10240, BABIRWA, 0614 - *Molahlegi Kgole Jacqueline*
27. Winfred Ndizana - 910909 1029 *** - 448 Matroos Street, GEORGE, 6529 - *Alakhe Dima*
28. Nicole Meldene Abrahams - 951114 0022 *** - 36 Pan Crescent, Eureka Estate, ELSIES RIVER, 7490 - *Naeelah*

29. Melford Fano Singane - 920429 5750 *** - 125 Parliament Street, PORT ELIZABETH, 6001 - *Given Nkosinathi*
30. Zwickhodo Baldwin Dzivhani - 920302 6044 *** - Shayandima, THOHOYANDOU, 0920 - *Zwickhodo Anthony*
31. Maria Namane - 860730 0770 *** - C50 Empumelweni, KWA-MHLANGA, 1022 - *Kidibone Ragare*
32. Musawakhe Nqobile Mngadi - 000426 5306 *** - Swayimane, WARTBURG, 3233 - *Msawakhe Nqobani*
33. Lindokvnie Wonderboy Ndlouv - 030331 5931 *** - Mbalenhle Bhamshela, OZWATHINI, 3242 - *Lindokuhle Philasande*
34. Vuyisile Cynthia Tshabalala - 810424 0882 *** - 1358 Moletsane, SOWETO, 1868 - *Buyisile Cynthia*
35. Themba Derrick Soko - 760818 5354 *** - Stand No 1251, NEWSKOM, 1245 - *Themba Derrick Mkruquli*
36. Nomsa Lovey Chauke - 800322 6001 *** - 13 Rooibok Street, MEYERTON PARK, 1961 - *Lovey Musa*
37. Lobbiejamka Adrihat Loubser - 970909 0146 *** - 09 Andblom Street, ABBOTSDALE, 7301 - *Loebbiejamka Adrihat*
38. Bridgette Jabulane Cele - 950528 0579 *** - 7829 Extention 3, Winterveldt, MHLAUMBE, 0198 - *Bridgette Jabulile*
39. Cindy Tholakele Mati - 750129 0700 *** - 44 Ronald Road, 212 Epsom Downs, Montclair, DURBAN, 4001 - *Mbalenhle*
40. Bulelwa Katuli - 810623 0486 *** - 41 Henning Pretorius, Thaba Tshwane, PRETORIA, 0001 - *Bulelwa Julia*
41. Dominic Demingo Balini - 960729 5041 *** - 54 Assegaai Street, DELFT SOUTH, 7100 - *Demingo*
42. Matjeilane Mashoto Magohlo - 900227 0531 *** - Stand No A0071, MOHLALETSE, 1121 - *Mpheng Seboladi*
43. Siphilangenkosi Busisiwe Ndlovu - 920120 0630 *** - 1771 Ntokozweni Street, Dlamini 1, TSHIAWELO, 1818 - *Nova Noel*
44. Kyle Norman Napier - 911214 5027 *** - 24 Soetrivier Street, CAPE TOWN, 7441 - *Kyle Jean*
45. Sedibelo Elizabeth Molero - 900921 0551 *** - 2704 Ga-Matseke, MARAPYANE, 0431 - *Sedibelo Bontle*
46. Letshoma Kobeli - 920503 5067 *** - 107 Mopedi Section, Katlehong, GERMISTON, 1431 - *Lets'Oma*
47. Nqobile Immaculate Khumalo - 930123 0338 *** - K 1577, UMLAZI, 4066 - *Snenhlanhla Nqobile Immaculate*
48. David Oliver - 510511 5632 *** - 35 Labiance Street, Labiance Estate, BELLVILLE, 7530 - *Riduwaan*
49. Montsheng Emily Molero - 000426 0700 *** - 2704 Ga-Matseke, MARAPYANE, 0431 - *Montsheng Rategang*
50. Rialivhuwa Moholo - 021119 0369 *** - 7003 Unit 15, MMABATHO, 2735 - *Realeboga*
51. Peter Thabiso Aphane - 000414 5788 *** - 49 Francam Street, LOTUS GARDENS, 0008 - *Majwaleng Jan*
52. Mhlengi Ridge Mpilwende Radebe - 990715 5337 *** - 23 Goring Avenue, Auckland Park, JOHANNESBURG, 2092 - *Griffin*
53. Experience Thembelani Makowane - 820606 5848 *** - 397a/12 Shane Street, Zola 3, KWAXUMA, 1868 - *Cypriel Thembelani Experience*
54. Ovan Lazaru Shikwambana - 591228 5288 *** - 5936 Motswedi Street, KAGISO 2, 1754 - *Hoveni Ovan Lazarus*
55. Tihole Hunadi Dithsoeung - 940830 1078 *** - 3675 Nkabinde Street, Extention 3, MIDDELBURG, 1050 - *Queen Hunadi*
56. Senamile Landiwe Shongwe - 960819 0189 *** - 42 Brummer Street, De Bruin Park, ERMELO, 2351 - *Senamile Star Landiwe*
57. Celeste Abdol - 821027 0173 *** - 37 Joyce Street, VALHALLA PARK, 7490 - *Sadeeqah*
58. Pamela Jolene Wampach - 770208 0002 *** - 11 Lido Avenue, EAST LONDON, 5241 - *Pammy Jo*

59. Rishad Bechoo - 800909 5121 *** - 2 Dumra Place, UMHLANGA, 4319 - *Risshad*
60. Lee Manuel - 880115 5167 *** - 46 Waterbuck Street, Bardale Village, KUILSRIVER, 7580 - *Laeeg*
61. Zantélli Susini - 880604 0047 *** - 20 Kingfisher Creek, 62 Blackwood Street, CENTURION, 0157 - *Zantélli Mirolyova*
62. Danické Sasha Nelson - 000423 0098 *** - 2 Swempie Crescent, Unit 40 Liefde En Vrede, BAALBEK VILLAGE, 2091 - *Danicka Sasha Michelle*
63. Sonwabile Piet Baklei - 930308 5445 *** - 4 Torrington Crescent, Parklands, CAPE TOWN, 7441 - *Sonwabile*
64. Nadia Lemmetuis - 840223 0148 *** - 5 Kapokbos, Village On Sea, MOSSEL BAY, 6500 - *Nadia Grace*
65. Lee Cassiem - 831012 0169 *** - 25 Pearl Crescent, Belgravia, ATHLONE, 7764 - *Akeefah*
66. Zara Ronit Abelson - 800827 0040 *** - 155 11th Avenue, SYDNEHAM, 2019 - *Esti*
67. Arheston-Lee Speckman - 830923 5232 *** - 31 Mercury Flats, 744 Francis Baard Street, ARCADIA, 0081 - *Ashton-Lee*
68. Philiswa Sigidi - 980108 0465 *** - 469 Ghana Street, SPRINGS, 1559 - *Philiswa Faith*
69. Tshwarlo Madupe - 010925 5616 *** - House No A1548, Extention 1, DIEPSLOOT, 2189 - *Tshwarelo*
70. Goodenough Zaba Buthelezi - 780107 5310 *** - 401 Ridge Gate Road, AMANZIMTOTI, 4126 - *Zabazendoda Goodenough*
71. Mojesi Maria Rampai - 970223 0304 *** - 5983 Extention 5, ALABAMA, 2577 - *Mojesi Monica*
72. Dorothy Kgomotso Samane - 911221 0869 *** - 425 Foxglove Street, CHRISTIANA, 2680 - *Kgomotso*
73. Hillton Francisco Solomons - 790407 5091 *** - 51 16 De Laan, RAVENSMEAD, 7493 - *Hilton Francisco*
74. Motlalepula Prudence Makoloka - 000128 0624 *** - 11923 Utlwanang Street, Majemantsho, MAHIKENG, 2745 - *Nandi Motlalepula Prudence*
75. Nompumelelo Zungu - 021105 0521 *** - M70 Lwembu Road, KWAMASHU, 4359 - *Nompumelelo Jessica Nomzamo*
76. Natalie Dube - 951017 1200 *** - 776 Ivory Park, TEMBISA, 1632 - *Simphiwe Natalie*
77. Anthea Davids - 920224 0311 *** - 21 Italy Street, Forest Village, EESTERIVER, 7100 - *Asheeqah*
78. Ntombi Thyumka - 001202 1087 *** - Silindini Area, NTABANKULU, 5130 - *Nonyameko Ntombi*
79. Bongumenzi Makhoba - 030908 5077 *** - Nondweni Area, Kwa-Vuyisa Area, NQUTHU, 3100 - *Bongumenzi Welcome*
80. Philisa Sesona Mpati - 030612 0235 *** - 14 Swan Road, Sonkring, BRACKENFELL, 7560 - *Sesona Philisa*
81. Dominica Thebeyagae - 660402 0773 *** - C45 Pango Camp, Munsieville, KRUGERSDORP, 1739 - *Dominique*
82. Aobakwe Francina Gwai - 660910 1036 *** - 1415 Unit 2, MOTHIBISTAD, 8474 - *Mamakie*
83. Hlophego Johanna Seuhule - 670118 0468 *** - House No 107, Uitsight, Steilloop, REBORN, 0617 - *Mokgadi Johanna*
84. Tubatse Ishmael Pako - 630522 5737 *** - 06 Orion Avenue, Ster Pak, POLOKWANE, 0699 - *Sokisi Tubatse Ishmael*
85. Apools Davids - 600526 5188 *** - 994 Dassie Road, Bridgton, OUDTSHOORN, 6625 - *James Jakobus Franklin*
86. Antoinette Marchelle Scallan - 600127 0055 *** - 2 Osborne Drive, SALT ROCK, 4023 - *Antoinette Marchelle*
87. Miena Veronica Jonker - 470921 0121 *** - 5 Kudu Court, CROWN GARDENS, 2091 - *Veronica Miena*
88. Fundisa Mildred Nkonki - 630306 0997 *** - 553 Soweto, Kwadimbaza, KING WILLIAMS TOWN, 5671 - *Fundiswa Mildred*
89. Famida Bee Bee Sheik Shaik - 731201 0175 *** - 64 Mayfair Road, NEWHOLMES, 3701 - *Famida*

90. Morney Wilfred Daniels - 860520 5168 *** - 10 Poplar Street, SOMERSET WEST, 7130 - *Mansoor*
91. Oupa Samuel Mosesi - 581220 5244 *** - 140 Zone 10, Extension 1, SEBOKENG, 1983 - *Oupa Solomon*
92. Aaron Harun Khoza - 580602 5264 *** - `Stand No 11031, MANGWENI, 1343 - *Thembintaba Aaron*
93. Voyizana Elizabeth Ncongwana - 530215 0251 *** - 4055 Eleventh Street, Zone 1, ZONKIZIZWE, 1431 - *Elizabeth Nomsombuluko*
94. Daniel Motsumi Motshabi - 570731 5770 *** - 3 Pepler Fichardt Park, BLOEMFONTEIN, 9301 - *Danil Motsumi Hope*
95. Wright Mmole - 500105 5549 *** - 1223 Moku Street, TLADI, 1868 - *Wright Benedict*
96. Somkazi Florence Mkohlwa - 590422 0622 *** - 83 Noluthando Street, Parkridge, EAST LONDON, 5200 - *Mahelehele Florence*
97. Pushu Josephina Gina - 591021 0792 *** - Khwelelani Area, INGWAVUMA, 3968 - *Dushu Josephina*
98. Maduke Agnes Mphahlele - 580218 0656 *** - Mogodi Village, GA-MPHAHLELE, 0736 - *Mokgohloe Agnes*
99. Pauline Mapule Mpshe - 560503 0945 *** - Plot 509 Mpshe Stand, WINTERVELDT, 0198 - *Pauline Jazree*
100. Raesibe Suzan Mathobela - 590503 0725 *** - P O Box 428, LEBOWAKGOMO, 0737 - *Mmakala Maboledi Suzan*
101. Zibuse Obed Bele - 591119 5540 *** - 28 Sunpark Drive, Craigieburn, UMKOMAAS, 4170 - *Zibuse Obed Njabulo*
102. Caesar Nicholas Mdunge - 560924 5670 *** - C48 Maciko Crescent, Kwadengezi, PINETOWN, 3607 - *Haroon Caesar*
103. Samuel Johannes Moeti - 500408 5250 *** - 08d Maphoitsile, TAUNG, 8584 - *Ntwaetsile Samuel*
104. Josephina Mahlangu - 550306 0392 *** - 2231/2 Camphor Street, Extension 5, Dlamini, LAKEVIEW, 1818 - *Josephina Refilwe*
105. Nomkhitha Ncatsha - 590313 1003 *** - 24 Matebese Crescent, Phase 1, MTHATHA, 5099 - *Nomkhitha Mavis*
106. Vukani Hazeman Ntontela - 560905 5833 *** - 16 Mgqika Avenue, BISHOP CENTRAL, 5605 - *Vukani Mnyamezeli Hazeman*
107. Biscuit Daniel Kiet - 520323 5882 *** - 408 Letlhakajaneng Village, KURUMAN, 8460 - *Weeskind Daniel*
108. Anthony Geduld - 501025 5698 *** - 31 Melkhout Street, BONTEHEUWEL, 7764 - *Anwah*
109. Keairang Jan Leepile - 530707 5441 *** - House No 7356, Extension 25, VRYBURG, 8601 - *Keairang Thero*
110. Lesego Ann Matjiu - 500906 0803 *** - E 898 Lefisoane, MARAPYANE, 0431 - *Mmanteka Ann*
111. Mark Qabazi - 650708 5411 *** - 30 Boekenhout Street, Algoa Park, PORT ELIZABETH, 6001 - *Mark Sobuza*
112. Kaglolo Ernest Dibane - 671207 5299 *** - 1148 Donkerhoek, BOSHOF, 8340 - *Kahlolo Ernest*
113. Hilda Maropeng Nxumalo - 690830 0362 *** - 7 Masemola Street, ATTERIDGEVILLE, 0008 - *Omohau Nompumelelo*
114. Fitz-Wayne Koki Mtshweni - 990815 5824 *** - Stand No 257, MAMETLHAKE, 0432 - *Fitz-Wayne Wandile Thato*
115. Mudzunga Richard Mukhaninga - 660404 6643 *** - Mandala Village, THOHOYANDOU, 0950 - *Gundolawe*
116. Johannes Hendrik Klein - 650228 5619 *** - 26 Berg Street, TOUWSRIVER, 6880 - *Johan*
117. Rosina Rose Modibedi - 650928 0589 *** - 1766a Ralewalo Street, Naledi, SOWETO, 1868 - *Rosina*
118. Kesenogile Dinah Taunyana - 690623 0538 *** - 3551u/12, MMABATHO, 2735 - *Onthatile Dinah*
119. Howard Makawa Kanengone - 620128 5736 *** - 9095a Mvubu Street, Orlando West, ORLANDO, 1804 - *Howard*
120. Hlupheka Honours Mukhari - 680506 5510 *** - 144 Plover Avenue, Kyalami Glen Estate, KYALAMI, 1684 - *Hlupheka Honours*

121. Michael Claude Matiesie - 690425 5160 *** - 129 Mornay Street, RAVENSMEAD, 7493 - *Mikaeel Claude*
122. Isaac Mbonani - 680314 5499 *** - 12 Matlatse Street, SPRINGS, 1560 - *Swartbooi Isaac*
123. Annah Ngobeni - 631124 0809 *** - 151 Ulundi Street, Hospital View, TEMBISA, 1632 - *Sibongile Annah*
124. Kasenthra Subrayan - 940727 0068 *** - 77 Drysdale Road, SUDOWNER, 2161 - *Kasenthra Nicole*
125. Nomalungelo Mtolo - 030218 1334 *** - 11 Margaret Street, Riverside, Creighton, IXOPO, 3263 - *Mbalenhle*
126. Zininzi Feni - 950625 0888 *** - House No 1356, Giants Castle Avenue, Bergbron, RANDBURG, 1712 - *Tanzie Zininzi*
127. Ghalid Rajad Mkhonto - 910706 5669 *** - Stand No 397, Mahushu Trust, HAZYVIEW, 1242 - *Khalid Comfort*
128. Ryan James Bradley Schwartzel - 750822 5057 *** - 53 Cooper Avenue, RANDPARK, 2194 - *Ryan Calvin*
129. Tjabolane Reuben Nhlapo - 740928 5869 *** - 2880 Mhlanga Street, Everest, THOKOZA, 1450 - *Jabulani Reuben*
130. Samson Maredi - 740201 5509 *** - Seleteng Village, MPHAHLELE, 0736 - *Samson Lehlaga Charles*
131. Thabang Masoto Sekgothe - 880417 0631 *** - 122 Plum Road, CHANTELE, 0201 - *Pholoso*
132. Abubakr Gordon - 900706 5098 *** - 10 Kwepe Avenue, Bridgetown, ATHLONE, 7764 - *Severo Mikhyle*
133. Kgaogelo Treasure Ntshwane - 951115 0556 *** - Phase 4, SEKHUKHUNE, 1124 - *Kgaogelo Maokole Treasure*
134. Tshotleho Alfred Masoeng - 960928 5293 *** - 1079 Mofokeng Street, Phahameng, DEWETSDORP, 9940 - *Bohlokoa Alfred*
135. Mandla Mthembu - 860308 5430 *** - B4194 Kk Flats, Clermont, KWADEBEKA, 3010 - *Mandla Bongmusa*
136. Goula Du Preez - 890608 0105 *** - 3 Advance Court, 12 Rhodes Street, Unit 3, NORTH END, 6020 - *Éva Jordan*
137. Michael Ntsako Paballo Ngobeni - 010404 5648 *** - 293 Esiphetweni, TEMBISA, 1632 - *Paballo Ntsako*
138. Nokhaya Mirriam Ntwanambi - 580827 0217 *** - Qamata Area, QAMATA, 5380 - *Nontsebenzo Gloria*
139. Mase Gasela - 000707 1039 *** - G10 Nubian Road, Nsimbini, MAYVILLE, 4091 - *Masisi*
140. Owami Njabulo Phiwayinkosi Pappies Molefe - 030512 5279 *** - 37 Arabia Road, Glenwood, PIETERMARITZBURG, 3200 - *Owami Njabulo Phiwayinkosi Siyamazi*
141. Kgothatso Phillisia Molefe - 960509 0042 *** - 6425 Ubunye Drive, Phase 2, Braamfisherville, SOWETO, 1875 - *Onai Kgothatso*
142. Abrahams Zoliswa Dineo Phetshana - 961111 0215 *** - 11 Kransswael Crescent, Liefde En Vrede, JOHANNESBURG, 2091 - *Zoliswa Dineo*
143. Motlori Caiphus Maloba - 711208 5412 *** - Stand No 565, Motinti Village, MMOTONG, 0748 - *Mogaledi Caiphus*
144. Solomzi Mafukuzela - 990311 5994 *** - 125 Cammedeboo Crescent, Leiden, DELFT, 7100 - *Lindokuhle*
145. Tracey Hlengiwe Mkwai - 960412 0414 *** - No 2 Kings Road, WENDYWOOD, 2090 - *Hlengiwe Tracey*
146. Nazeefah Firdows Ally - 960315 0164 *** - 5a Watson Road, ISIPINGO, 4133 - *Haleemah Sadia*
147. Thobeka Dlamini - 980813 6352 *** - Cc41122 Ashwell Road, MAYVILLE, 4091 - *Sifundo*
148. Angelos John Coumbaros - 760824 5087 *** - No 9 Cassini, Dj Theron Crescent, Meyersdal, ALBERTON, 1448 - *Angelos*
149. Kubashni Govender - 760725 0095 *** - 9 Pebble Lake, Florin Road, Streubensvalley, ROODEPOORT, 1724 - *Garbriella Kubash*
150. Charlene Elizabeth Marthinus - 760722 0206 *** - 99 Fike Avenue, Ashbury, MONTAGU, 6720 - *Charlene*

151. Selvama Pretorius - 771028 0113 *** - 5 Bucher Road, SYDERHAM, 4091 - *Sharyn*
152. Averill Llewellyn Plaatjies - 741214 5132 *** - 5 Lightning Street, Rocklands, MITCHELLS PLAIN, 7798 - *Ashraf Luqmaan*
153. Allister Darion Witbooi - 771017 5076 *** - 154 Parkersdam, WORCESTER, 6850 - *Aasif*
154. Shaun Casmod Minadoo - 811207 5124 *** - 8 Amphill Avenue, BENONI, 1501 - *Shaan Casmod*
155. Rosita Marie Nel - 661116 0491 *** - 11 Chestnut Crescent, Eastridge, MITCHELLS PLAIN, 7785 - *Rosita Rose*
156. Glen Michael Endley - 561102 5130 *** - 7 Scher Lane, Orleans Village, PAARL, 7646 - *Glenn Michael*
157. Martinus Pietersen - 601125 5134 *** - Wangenheim Area, RASONVILLE, 6845 - *Marthinus*
158. Naomi Hattingh - 610728 0075 *** - 7 Avenue, ROODEPOORT, 1724 - *Kraai*
159. Nicholeen Kader - 860809 0157 *** - 13 Ironhaven Place, Durban, PHOENIX, 1468 - *Nadia*
160. Mandy-Leigh Van Aswegen - 860207 0222 *** - 18 Genl Hertzog, Boulevard, WELLINGTON, 7655 - *Mandy-Leigh Samaria*
161. Bernadine Voegt - 550918 0165 *** - 18 Linaria Street, Lentegen, MITCHELLS PLAIN, 7785 - *Badronisa*
162. Carol Jackson - 610220 0222 *** - 11 Baptis Road, GRASSY PARK, 7941 - *Carol Dawn*
163. Rashaad Abrahams - 841227 5272 *** - 31 First Avenue, RETREAT, 7945 - *Levi*
164. Vishen Ramburan - 831122 5236 *** - 72 Swallowridge Road, Westcliff, CHATSWORTH, 4068 - *Bradlee Vishen*
165. Ronald William Johnson - 870808 5123 *** - 35 Agnes Street, VALHALLA PARK, 7490 - *Rameez*
166. Claudine Thomas - 870713 0077 *** - 30 Sheperd Way, WESTRIDGE, 7785 - *Kashiefah*
167. Rethabile Segopotso Atlegang Kganathe - 020723 5801 *** - 32 Groenpunt Road, Keidebees, UPINGTON, 8801 - *Rethabile*
168. Littleboy Bojana - 021016 5807 *** - 8 Richmond, VEREENIGING, 1930 - *Aphiwe Prolific*
169. Mokatu Annah Ngekanyane - 021106 0257 *** - 14051 Calabria Street, Meloding, VIRGINIA, 9430 - *Morakane*
170. Jonas Tsotetsi - 690829 5338 *** - 6435 Phomolong, Namahadi, FRANKFORT, 9830 - *Sefiso Jonas*
171. Jeremiah Mfaniseni Sibiya - 660707 6007 *** - Portdunford Area, ESIKHAWINI, 3887 - *Jeremiah Mfanuzile*
172. Bhekukuphiwa Elias Ngobese - 610804 5666 *** - 7 Duplex Mews, 85 Kenyon Howden, Montclair, DURBAN, 4004 - *Bheki Elias*
173. Xoxwayishiywa Msomi - 761130 5461 *** - C247 Ubhucu Road, Ntuzuma, DURBAN, 4023 - *Xoxwayshiywa Enock*
174. Oscar Mandlenkosi Gumede - 730702 5358 *** - 01 Palm Villas, 1186 Hjalmer Street, BOOYSENS, 0082 - *Mandlenkosi*
175. Kgwale Bob Kgolane - 750410 5565 *** - Vergelegen C, JANE FURSE, 1085 - *Motubatse Bob*
176. Malokoane Obed Chabedi - 710401 5359 *** - 30117 Riverside, JANE FURSE, 1085 - *Malokoane Obed Vicky*
177. Beatrice Kawa - 730612 1050 *** - 902 White City Location, WHITTLESEA, 5360 - *Nomfusi Beatrice*
178. Madintja Mary Motaung - 700708 0376 *** - 87 Sebra Street, Meyerton Farms, MEYERTON, 1961 - *Mary*
179. Nomazizi Nokwe - 630604 0897 *** - 65 Ntloni Street, Nu 12, MOTHERWELL, 6211 - *Nomazizi Irene*
180. Elena Nkosi - 620610 0570 *** - 150 Lammervanger Street, Jan Niemand Park, PRETORIA, 0186 - *Thandi Eleanor*
181. Mathata Mogakala - 001226 0521 *** - 20 Leboeng, OHRIGSTAD, 1122 - *Wendy Kgethego*

182. Khanyile Thembeke Khayingana - 730401 5782 *** - 1186 Section B, PALMSPRINGS, 1984 - *Khanyile*
183. Joyce Sobayi - 700828 1220 *** - Mbidlani, MACLEAR, 5480 - *Joyce Khanya*
184. Simon Tinini - 651009 5827 *** - 19-975 Makhaya, KHAYELITSHA, 7784 - *John Simon*
185. Macdonald Luyanda Guzana - 690504 6050 *** - 13 Katonkel Street, Delmore Gardens, BOKSBURG, 1401 - *Luyanda Wanda*
186. Sibongile Patience Mavuso - 680507 0419 *** - 7 Herbert Baker Street, Sharonpark, NIGEL, 1496 - *Makhosazana Patience*
187. Sandile Pambili - 691129 5708 *** - Nu 248 Site C, KHAYELITSHA, 7784 - *Gee Sandile*
188. Cabawediwe Rebecca Mokopanela - 620110 0781 *** - 19796 Extention 20, JOUBERTON, 2574 - *Gabawediwe Rebecca*
189. Molatelo Silas Lamola - 750123 5676 *** - 284 Ab Xuma Street, Hospital View, TEMBISA, 1632 - *Mmakgabo Molatelo Silas*
190. Swai Mathaniel Mangope - 600204 5886 *** - Ramokikiri Section, Mokgola Village, LEHURUTSHE, 2865 - *Shwai Nathaniel*
191. Mtebhisu Njoko - 620808 0699 *** - D 1155 Hobosha Street, EZAKHENI, 3381 - *Mtebhisu Magret*
192. Suzan Kgweddi - 680721 0700 *** - 10856 Laka Street, MAMELODI EAST, 0122 - *Suzan Ziphorah*
193. Vulindlela Stanley Mdanyana - 610515 6071 *** - 50 Gerrit Maritz Avenue, Dassierand, POTCHEFSTROOM, 2531 - *Vulindlela Brooks*
194. Elizabeth Namisa - 530702 0762 *** - 2 Gaborone Street, Mankurwane, KIMBERLEY, 8345 - *Kebitsamang Elizabeth Zelna*
195. Pusele Magdelina Marareni - 560408 0804 *** - Madlangala A/A, MATATIELE, 4730 - *Puseletso*
196. Vikiza July Msiza - 551108 5262 *** - 30 Pitserskraal, SIYABUSWA, 1020 - *July Farouk*
197. Rejoyce Semakaleng Joyce Mokgoamme - 680812 1190 *** - Majemantsho Mine, MAHIKENG, 2745 - *Semakaleng Rejoice*
198. Neo Maggy Malevu - 641226 0660 *** - 5143 Imbuzana Street, Extention 4, Protea Glen, CHIAWELO, 1819 - *Kenewang Maggie Neo Natalie*
199. Caroline Molojoa - 560129 0752 *** - 2152 Mcube Street, Protea North, SOWETO, 1818 - *Caroline Pansy*
200. Johannes Pheello Malakoane - 691007 5530 *** - 1867 Phase 2, Bluegubosch, WITSIESHOEK, 9870 - *Carnel*
201. Jenny Mmatlaleng Moralo - 660526 0751 *** - 68 Dikhibidung Section, Wonderkop, RUSTENBURG, 0317 - *Sannie Magape*
202. Bazal Leonard Nhlapo - 641026 5443 *** - 1403 Hasane, DAVEYTON, 1520 - *Lenny Fundi*
203. Buntu-Buhle Yapi - 650805 6035 *** - Machibini Mtebele, QUEENSTOWN, 5320 - *Botho-Bottle Buntu-Buhle*
204. Staff Zulu - 560527 0820 *** - C2577 Ntuzuma, Intshintsho Avenue, DURBAN, 4360 - *Staff Thembi*
205. Annah Makhulu Phalane - 680326 0720 *** - 5513 Zone 4, GA-RANKUWA, 0205 - *Jeremiah*
206. Siphwe Betrum Miya - 660112 5831 *** - Room 56b1, Denver Hostel, CLEVELAND, 2094 - *Siphwe*
207. Malixole Adam - 680517 5678 *** - 36591 Raceway Park, BLOEMFONTEIN, 9301 - *Xolani Malixole*
208. Noko Jan Laka - 680504 5756 *** - 2608 Dove Street, Hospital View, TEMBISA, 1632 - *Manthibu Jan*
209. Mamoloko Mable Kgoale - 670211 0547 *** - 97 Dipateng Section, Dwarsriver, POLOKWANE, 2090 - *Moleboge*

210. Sebores Martha Makgatho - 610901 0341 *** - 33 Govan Mbeki Street, LOTUS GARDENS, 0025 - *Sewela Johanna*
211. Makhang Adelina Rulufu - 640830 0459 *** - 25 Bermuda Crescent, Uitsig, BLOEMFONTEIN, 9301 - *Makhang Adella*
212. Thibe Lucas Toka - 550313 5911 *** - 1505 Block C, MABOPANE, 0190 - *Thibe Lucas*
213. Anna Lieketseng Motaung - 700407 0654 *** - 436 Mabena Street, Siluma View, KATLEHONG, 1832 - *Anna Marashane*
214. Alina Queeneth Tselane Woods - 611122 0333 *** - 530 Kgano Street, Motheong Extention, TEMBISA, 1622 - *Marcia Queeneth*
215. Zanele Simon Zabo - 680901 5452 *** - 195 A Cinto Street, Joza Location, GRAHAMSTOWN, 6139 - *Siphiwo Zanele Simon*
216. Nosapho Mqokweni - 600525 1065 *** - Kwanikhe A/A, BIZANA, 4800 - *Nosapho Ntombifikile*
217. Eunice Nomava Champion-Ntamo - 660811 0172 *** - 19 Buitekant Street, Westbank, EAST LONDON, 6300 - *Pinkie Champ*
218. Nhlangana Titizani Mkhize - 620405 0574 *** - Ntunjambili Area, KRANSKOP, 3268 - *Ncanyana Titizani*
219. Margaret Ramadimetja Mojapelo - 621211 0681 *** - Stand No 379, Mapangula Village, MASHASHANE, 0743 - *Margaret Ramadimetja Perceline*
220. Thivhilaeli Suzan Madala - 651125 0098 *** - Dopeni Village, Vhulaudzi, THOHOYANDOU, 0926 - *Thivhilaeli Sosana*
221. Simon Makhubedu - 671001 5614 *** - 90 Mosalo Street, ATTERIDGEVILLE, 0008 - *Simon Tebogo*
222. Vusumuzi Morence Mdluli - 570801 5841 *** - 1 Dalmeida Street, Witpoortjie, ROODEPOORT, 1724 - *Vusumuzi Morris Caleb*
223. Legase James Malemone - 590803 5394 *** - 415 Ramaphosa Moteti, DENNILTON, - *Mmolao James*
224. Julius Nxumalo - 590725 5794 *** - 728/5 Block Vv, SOSHANGUVE, 0152 - *Julius Zulu*
225. Nosipho Soheba - 571209 0763 *** - Nomaqamba Location, ALICE, 5700 - *Nosipho Clareen*
226. Witford Phaliso - 580612 5981 *** - Mkweto Location, MTHATHA, 5103 - *Witford Velile*
227. Joan George - 561109 0191 *** - 7590 Maseko Street, Orlando West, SOWETO, 1804 - *Joan Xorile*
228. Teboga Louisa Lamola - 580707 0776 *** - 1 Letlhaka Street, Extention 4, ATTERIDGEVILLE, 0008 - *Teboga Louisa*
229. Malesela Phineas Mokwetle - 580708 5892 *** - 10091 Madamase Village, BAKENBERG, 0611 - *Gaume Jacob*
230. Thhogo Esther Khumalo - 510703 0211 *** - Stand 15669, Thelani Section, Extention 13, IVORY PARK, 1685 - *Thoko Esther*
231. Selina Connie Hleza - 590620 0384 *** - 138 View Extention, GA-RANKUWA, 0208 - *Connie Nhlambembi*
232. Matlele Solly Makwela - 550101 6259 *** - Thabakgone Village, Gamamabolo, POLOKWANE, 0728 - *Rakhotšo Solomon*
233. Matsobane Johannes Molekoa - 540504 5452 *** - N1009 Extention 7, DIEPSLOOT, 2189 - *Moloantso Matsobane Johannes*
234. Vutisa Makhanani Baloyi - 541118 0594 *** - Stand 453, Section 7, GIYANI, 0826 - *Vutisa Makhanani Grace*
235. Jabulile Ezelina Mbanjwa - 550120 0874 *** - Nodwengu Area, OZWATHINI, 3242 - *Ntombikayise Jabulile*
236. Njanya Victor Jozana - 541207 5145 *** - Kubusi A/A, QUMBU, 5180 - *Weleni Victor*
237. Xolile Zamasomi Msomi - 910927 0577 *** - U 40 Umlazi, UMLAZI, 4066 - *Xolile Zama*
238. Mapoloko Pikinini - 780115 0667 *** - 6096 Holomisa Street, MALMESBURY, 7300 - *Maatleho*

239. Butana Phora - 990525 5795 *** - 276 Kirkfontein, DENNILTON, 1030 - *Vellem*
240. Khethelo Mabiase Ziqubu - 011009 5320 *** - 9 Hortensia Road, Napierville, PIETERMARITZBURG, 3201 - *Khethelo Biyase*
241. Princess Popi Sekgotho - 840705 0337 *** - 31 Agaat Street, ELDORADO PARK, 1811 - *Princess Poppy*
242. Jappi Sthepo Maloka - 990612 5923 *** - 15666 Impisi Street, Ivory Park, TEMBISA, 1622 - *Tshepo Jappie*
243. Laurin Nkechi Adams - 000601 0149 *** - 85 Aloe Crescent, Vredelust, KUILSRIVER, 7530 - *Laurin*
244. Madibong Tumi Makuwa - 020425 5787 *** - 1257 Qwabe Street, OGIES, 2233 - *Thomas Tumi*
245. Ngwato Mafego - 020628 6048 *** - Stand 5029, Vleeschboom, NEBO, 4059 - *Matshelane Gabriel*
246. Ipfi Phophi - 980114 5332 *** - 2211 Sunrise Street, Dooronkop Extension 1, SOWETO, 1784 - *Ipfi Nathaniel*
247. Sikululwe Soqaga - 861222 5549 *** - 137 Ekhuphumuleng Street, Letsatsing, CARLETONVILLE, 2499 - *Sikhululwe Onke*
248. Nkosoxolo Mabuda - 000909 1362 *** - 4735 Mvawoni, MOUNT AYLIFF, 4735 - *Yamkela*
249. Anele Nomda - 930118 5909 *** - Marwaqa, MOUNT AYLIFF, 4735 - *Isaac Anele*
250. Michael Raphashe Matemane - 910208 5674 *** - 803 Egr, Mokwaqwa Plot 96, BRAKPAN, 1541 - *Michael Makgatlape*
251. Nolindile Siyoko - 010815 0320 *** - Vaalbank, LADY-FRERE, 5410 - *Yonela*
252. Chuene Koena Kate Seanego - 800107 0442 *** - 2081 Block X, SOSHANGUVE, 0152 - *Koena Kate Sharon*
253. Atenkosi Sambo - 930809 0630 *** - 1509 Nu1, Mdantsane, EAST LONDON, 5219 - *Asante*
254. Vida Gabriella Smit - 000810 0346 *** - 63 Burgundy Street, WELLINGTON, 7655 - *Via-Bella Gabriella*
255. Sizakele Portia Mbatha - 880409 0431 *** - C1197 Ubhucu Road, Lindelani, NTUZUMA, 4360 - *Joy*
256. One Moagi - 910318 0856 *** - 773 Zone E, Mandela Village, NAMAKGALE, 1391 - *Owane Modjadji*
257. Sinegugu Mnkwanyana - 921017 0675 *** - A22 Mncane Road, Enhlalakahle, GREYTOWN, 3250 - *Snegugu Cynthia*
258. Sipho Norah Nyawo - 750725 6023 *** - Thandaza Area, KWAMBONAMBI, 3915 - *Sipho Norman*
259. Josephine Nompzi Mzinyane - 900706 0783 *** - 3035 Kardemon Street, Mahube Valley, PRETORIA, 0001 - *Josephine Nompzi Nompilo*
260. Goitsemodimo Samuel Mahomed - 840914 6369 *** - 5566 Extension 10, JOUBERTON, 2574 - *Goitsemodimo Romeo*
261. Nomakesi Promise Banzi - 820916 1534 *** - 19905 Lambata Street, PHILIP, 7785 - *Nomanesi*
262. Sfanelo Musawenkosi Vuyolwethu Kunene - 870925 6068 *** - Gluckstyd Area, VRYHEID, 3100 - *Sifanelo Musawenkosi Vuyolwethu*
263. Sbusiso Petros Ximba - 880813 6100 *** - 40 Vlaanbic, C402 Platinam Place, JOHANNESBURG, 2000 - *Mtshengiseni Sbusiso Petros*
264. Mpeile Lucas Talane - 850310 6332 *** - 76-55 Clara Street, PRETORIA, 0001 - *Mahlogonolo Mpeile*
265. Mandla Aubrey Luna - 880706 6163 *** - Unit 41, Block C, Glebelands, UMLAZI, 4066 - *Mandlenkosi*
266. Tebogo Mmaseko Manapole - 790314 0483 *** - 3853 Folly Ledwaba, MOHLAKENG, 1759 - *Tebogo Mmasego*
267. Teboho Elliot Moshounyane - 880926 6304 *** - 11467 Zone 5, THABA NCHU, 9780 - *Tebogo Elliot*
268. Sepeke Mohlala - 721008 5641 *** - Mamone Village, JANE FURSE, 1085 - *Mahlupi*

269. Godfrey Manyisane - 700802 5564 *** - 9366b Mophiring Street, ORLANDO WEST, 1804 - *Mthuthuzeli Godfrey*
270. Ngwanatemané Ivy Mofokeng - 750127 0354 *** - 2191 Mamba Street, Extension 03, Moleleki, KATLEHONG, 1431 - *Quing Torch*
271. Tshikani Colleen Makhubele - 790330 0330 *** - 7 Villa Roseto, 26 Nyanyuki Road, SUNNINGHILL, 2157 - *Colleen Ofentse-Moalusi*
272. Maswike Jim Matlakale - 780702 5294 *** - Stand No 450, Ga-Motsepe, BOLEU, 0474 - *Masale Jim*
273. Ndimiso Vava - 760308 0757 *** - 87 Ivatala Street, Fisantekraal, DURBANVILLE, 7550 - *Nondumiso*
274. Matthews Gontse Morare - 750103 6429 *** - 767 Mothuka Street, TLHABANE, 0309 - *Aqif Ahmad*
275. Ofentse Sylvester Moalusi - 770316 5531 *** - 7 Villa Roseto, 26 Nanyuki Road, SUNNINGHILL, 2157 - *Ofentse*
276. Khayelihle Mabuza - 800526 5966 *** - 6 Orchid Place, CARLETONVILLE, 2499 - *Khayelihle Eugene*
277. Gaitsiwe Maria Ngolombane - 870917 1269 *** - 2517 Nomzamo Park, BRANDFORT, 9400 - *Gaitsiwe Evodia*
278. Mothai Joseph Rathipe - 720712 5446 *** - 27935 Snake Park, KIMBERLEY, 8345 - *Doctor Mothai*
279. Nontlupheko Hilda Mbango - 780303 2186 *** - 1181 Langalibalele Street, Durban Deep, ROODEPOORT, 1724 - *Hilda Sizakele*
280. Tamlyn Isobel Buckton - 970910 0355 *** - 17 Plain Street, Forest Village, EERSTERIVER, 7700 - *Thakiraah*
281. Rashika Akhter - 761019 0091 *** - 7 Tulshi Road, Northdale, PIETERMARITZBURG, 3201 - *Yasmin*
282. Clint Herbert Adams - 710403 5124 *** - 6 Michael Street, KIMBERLEY, 8301 - *Siraj*
283. Georgina Slabbert - 680831 0010 *** - 85-3rd Road, Cloverdene, BENONI, 1500 - *Gina*
284. Benita Du Toit - 680117 0045 *** - 299 Penguin Crescent, WIERDA PARK, 0157 - *Benita Helené*
285. Amahle Sithelo - 010108 5676 *** - Mbozisa Area, Gomatana Location, MQANDULI, 5082 - *Bonga Amahle*
286. Nyabane Hendrick Tshweu - 841202 5213 *** - 49 Moarabi Street, Ikageleng Location, ZEERUST, 2805 - *Kealeboga Hendrick*
287. Joseph Morena Qhautse - 950129 5137 *** - 1271 Caleb Motshabi, BLOEMFONTEIN, 9301 - *Tymasias Bophelo*
288. Ntwampe Humphrey Kgasago - 910616 5812 *** - Lekgwareng Village, MATHABATHA, 0733 - *Nkgaugelo*
289. Modupi Lucas Maepa - 800125 5315 *** - 1131 Lehodi Garden, Siyathemba, BALFOUR, 2410 - *Ntobeng Modupi Lucas*
290. Silindile Zulu - 930201 1147 *** - 15295 Mzingazi Res, KWA-MBONAMBI, 3915 - *Princess Silindile Hrh*
291. Sello Immanuel Sehlako - 931022 5555 *** - 73 Albertina Sisulu Road, Glencairn Building, JOHANNESBURG, 2001 - *Mphaphi Immanuel*
292. Nonjabulo Mazibuko - 010611 1094 *** - 167 Grant Kingfisher Street, VANDERBIJLPARK, 1911 - *Thandeka Nonjabulo*
293. Babalwa Ngcobo - 911209 1024 *** - Unit 3, Imbali, PIETERMARITZBURG, 3201 - *Bambalwa Sweetness*
294. Sizwe Joyce Tshabalala - 011129 0643 *** - House No 886, Phomolong, WITSIESHOEK, 9870 - *Siziwe Joyce*
295. Thabanechwana Prosley Lesufi - 710104 5701 *** - Mashung Village, GA-NKOANA, 0740 - *Prosley Maletswai*
296. Thelma Majezi - 740403 1126 *** - 9735 Daniel Street, KAGISO 2, 7454 - *Thelma Nolongisa*
297. Shukeena Ramfel - 950502 1359 *** - Renonkels Street 10, ASHTON, 6715 - *Shakeena*
298. Ntuthuzelo Mkosana - 751111 6092 *** - Mbozisa Area, MQANDULI, 5080 - *Ntuthuzelo Themboxolo*

299. Malesela John Khumalo - 521116 5767 *** - P O Box 1, BOYNE, 0728 - *Mathandabantu John*
300. Thembelihle Mavis Nkosi - 000517 0952 *** - Roosboom Area, LADYSMITH, 3370 - *Thembelihle Nonsikelelo*
301. Simangele Joyce Nhleko - 710107 0314 *** - 4255 Thusi Village, ERMELO, 2350 - *Philip Daniel*
302. Mahlatse Tladi - 010501 0950 *** - P O Box 4624, DITHABANENG, 0805 - *Mahlatse Mahlodi*
303. Lehlogonolo Leshoro Nkdimeng - 971103 5981 *** - Stand No 260, MOTETEMA, 0473 - *Lehlogonolo*
304. Floyd Tinga Matrega - 930515 6196 *** - 20 Gropius Road, Die Hoewes, CENTURION, 0157 - *Floyd*
305. Suezan Pitjeng - 830709 0563 *** - 3959 Moa-Tse-Tung Street, Extension 11, Umthambeka Section, TEMBISA, 1632 - *Mitjeng*
306. Pauline Stokinyana Mbongo - 920519 0782 *** - 27 Waterberry Street, Van Der Hoffpark, POTCHEFSTROOM, 2531 - *Pauline Faith*
307. Emmah Nomvula Makroti - 770131 0558 *** - 15183 Extension 9, Phase One, ORANGE FARM, 1841 - *Nomvula*
308. Ramasela Finkie Lebepe - 850727 1608 *** - 1728 Mountain View, MAHWELERENG, 0626 - *Molebogeng Martha*
309. Galaletsang Mmamakadiwane Keatlaretswe Van Der Merwe - 900513 0339 *** - 29 Overberg, Equestria Estate, EQUESTRIA, 0184 - *Galaletsang Keatlaretswe*
310. Nichol Tabane - 900325 0337 *** - 1074 Ethiopia Street, Tsutsumani, ALEXANDRA, 2090 - *Nichol Kelebogile*
311. Manonyana Margaret Neels - 410912 0313 *** - 83 Fuschia Road, Klipspruit West, SOWETO, 1812 - *Margaret Manonyana*
312. Thandi Monica Khanyeza - 730312 0521 *** - 2295 Matshana Place, MOLWENI, 3652 - *Nonhlanhla Eunice*
313. Chumande Tiago Baloi - 871206 5810 *** - 1 Main Street, MATATIELE, 4730 - *Chumande*
314. Molefe Peter Tladi - 601021 5806 *** - 5698 Zone 4, GA-RANKUWA, 0201 - *Radiponono Nkgalele Sello*
315. Bonigiwe Nontethelele Sikhakhane - 011204 1050 *** - Mhlalane Area, MAHLABATHINI, 3865 - *Nontethelele*
316. Thigidelwi Lillian Marandela - 690717 0823 *** - 3101 Thoko Mngoma Street, Fareast, ALEXANDRA, 2090 - *Lillian*
317. Sipho Godfree Msibi - 690806 5876 *** - 9520 Mfolozi Street, Extension 6, PALMRIDGE, 1460 - *Sipho Godfrey*
318. Molelle Andrew Mongana Nkikana - 950824 5315 *** - 18563 Zone 1, THABA NCHU, 9780 - *Kgotso Andrew*
319. Millicent Dube - 600903 0709 *** - 1168b Mbata Drive, White City Jabavu, KWA-XUMA, 1868 - *Millicent Lindiwe*
320. Nqanyane Elias Khutlane - 600526 5506 *** - 4576 Station View, THABA NCHU, 9780 - *Thabo Elias*
321. January Maselana Mohubedu - 840101 7305 *** - Diphale Village, DRIEKOP, 11029 - *Erick Moselana*
322. Thandeka Culo - 710510 0897 *** - Mjika Area, TSOLO, 5170 - *Thandeka Nogcinile*
323. Khayelihle Zoleka - 710622 5851 *** - Nomlacu Location, BIZANA, 4800 - *Khayelihle Isaac*
324. Bethwell Mzikantu Dokoda - 711024 5699 *** - 60 Masithole Street, Kwadwesi, PORT ELIZABETH, 6201 - *Bethuel*
325. Nelson Mbebe - 020807 5755 *** - 2093 New Site, JAMESTOWN, 9722 - *Lunathi*
326. Chester Rose Miyambo - 991004 0434 *** - P O Box 27, MALAMULELE, 0982 - *Matimu Rose*
327. Thifuniwi Tshinyani - 861130 0445 *** - 32 Tshilamba, MUTALE, 0955 - *Thifuniwi Nomsa*
328. Phologo Forchin Molokomme - 930420 5510 *** - 64 Snappies Village, BAKENBERG, 0611 - *Madimetja Leja*
329. Portia Bonolo Mmope - 980519 0386 *** - 77 Refentse, STINKWATER, 0407 - *Bonolo Portia*

330. Lerato Lisa Mabe - 990625 0203 *** - 173 Milnerton Street, Extension 4, ELDORADO PARK, 1813 - *Lisa Lerato*
331. Mduduzi Joel Nsimbini - 960814 0882 *** - Stand No 3511, KAMBOKWENI, 1245 - *Nondunduzo Joyce*
332. Zakhele Trademan Mathobela - 780710 5674 *** - Unit 3, Sunderland, Bergrivier Drive, TERENVRE, 1619 - *Zakhele*
333. Sakhile Bongani Alfred Zitha - 630117 0262 *** - 263 Vezi Section, Phola, OGIES, 2233 - *Esther Lisbeth*
334. Ba-Atile Obadiah Mokgethwa Khalabi Mothilegi Langa - 970604 5318 *** - 116 Mofokeng Street, SAULSVILLE, 0125 - *Ba-Atile Obadiah Mokgethwa Khalabi*
335. Vuyolwethu Chuma Nziweni - 810204 0374 *** - 24 Berenice Place, Bouvet Avenue, Northriding, JOHANNESBURG, 2162 - *Viva*
336. Bothokgami Claire Mokone - 851216 0760 *** - 12 Jacaranda Road, Visagie Park, NIGEL, 2192 - *Bothokgami Kangcobo*
337. Sinegugu Precious Mokone - 821206 0709 *** - 12 Jacaranda Road, Visagie Park, NIGEL, 2192 - *Sinegugu Kangcobo*
338. Msawenkosi Mthabela - 991126 5757 *** - 559 Cannavon Avenue, Extension 1, NELLMAPIUS, 0122 - *Katlago Daniel*
339. Kamogetswe Mahlangu - 911202 0444 *** - 519 Frederika, GEZINA, 0084 - *Keamogetswe*
340. Thomas David Moshi Motsatsi - 740612 5857 *** - 2714 Boikanyo Street, Zone 2, GA-RANKUWA, 0208 - *Thomas Moshi*
341. Mankatudi Julia Masemola - 881028 0618 *** - Ga-Masemola Village, PSHIRING, 1060 - *Tlakale Julia*
342. Ntshovelo Luckson Baloyi - 980929 5400 *** - 12 Molete Street, ATTERIDGEVILLE, 0008 - *Ntshoveli Luckson*
343. Luvashnie Pillay - 910927 0296 *** - 77 Schoeman Road, Verwoerdpark, ALBERTON, 1449 - *Luvashnie Roxette*
344. Lerato Moshodi - 010401 0707 *** - 95 Main Road, Forest Hill Residence, MOWBRAY, 7700 - *Lerato Rendani*
345. Mabina Phadime Makgati - 990422 6135 *** - 58 Sefateng, ATOK, 0749 - *Monyaku Mabina*
346. Felani Makhaye - 930701 1098 *** - Emadekeni Area, KRANSKOP, 3268 - *Phumelele*
347. Kholiwe Luzipho - 011227 0425 *** - 50 Sepres Street, DELFT, 7100 - *Kholiwe Naledi*
348. Stephina Mokgadi Monyela - 790106 0328 *** - Stand No 54, Turkey 1, MARULENG, 0890 - *Mokgadi Stephina*
349. Sithembiso Robert Sibisi - 700224 5665 *** - Snathing Location, Kwa H, PIETERMARITZBURG, 3201 - *Sithembiso Nobeth*
350. Petrus Mafonti Monye - 950714 5414 *** - 16 Bank Street, Bromhof, RANDBURG, 2188 - *Omphile Mafonti*
351. Mabotja Paul Mmushi - 851109 5519 *** - 1921 Bombisa Street, West View 2, Security Estate, PRETORIA, 0001 - *Mabotje Paul*
352. Komanyane Amiel Khuduge - 840119 5654 *** - 51 A Johnson Street, RUSTENBURG, 0299 - *Tshenolo Komanyane Amiel*
353. Amathemba Siphesihle Nzimande - 020222 1271 *** - 1177 Imbali, Unit B B, PIETERMARITZBURG, 3201 - *Amahle Amathemba Siphesihle*
354. Denise Barnard - 941124 0135 *** - 10 Orchard Heights, Newlands, CAPE TOWN, 7700 - *Pixie Denise*
355. Tiishetjo Maphowe Mosese - 911022 5682 *** - Phahlamanoge Village, JANE FURSE, 1085 - *Tiishetjo Thankgo*
356. Otsile Petrus Bodiba - 000723 5471 *** - 2462 Ramogoga, MATHIBESTAD, 0418 - *Otsile Dominic Priest Petrus*
357. Enetia Mokolo - 741205 1153 *** - I 328 Thoko Mgoma Street, ALEXANDRA, 2090 - *Enetia Reneilwe*
358. Damien Seeshunker - 990827 5696 *** - 8 Deccan Drive, Shallcross, DURBAN, 4093 - *Damien Sohan*
359. Joseph Mothibe - 900416 5392 *** - 30350 Hall Section, MAJAKANENG, 0359 - *Thapelo Joseph*

360. Duwain Zinzaan Siebritz - 980327 5306 *** - 12 Dahlia Street, Idasvalley, STELLENBOSCH, 7600 - *Dawood*
361. Motlalepula Senkang - 770401 1067 *** - 2328 Extension 1, RAMAPHOSA, 1489 - *Motlalepula Poppy*
362. Nswarellow Johannes Mkhize - 870105 5718 *** - 6487 Extension 7, Sakhile, STANDERTON, 2430 - *Ntobeko Johannes*
363. Harrison Boulanger Boulanger - 950424 5050 *** - 550 Outeniqua Lane, HOEKWIL, 6538 - *Harrison Sven Christian*
364. Letshela Walter Lekalakala - 950516 5603 *** - 7214 Mokgaetsi Street, Extension 30, MAKUBE VALLEY, 0122 - *Malesela Walter*
365. Robin Abrahams - 970516 0222 *** - 71 Hornbill Circle, Robinvale, ATLANTIS, 7349 - *Rashieda*
366. Ditiro Mashabela - 010417 5520 *** - Mphanama Village, SEKHUKHUNE, 1085 - *Ditiro Mokgoro*
367. Naso Kutwana - 930828 0538 *** - 65 Sdwadwa Drive, Sdwadwa View, MTHATHA, 5099 - *Nasosenkosi*
368. Cohen Nathaniël Benting - 940518 5224 *** - 2274 Green Oak Street, New Horizon, PLETTENBERG BAY, 7600 - *Natalie*
369. Vakele Manju - 821002 5644 *** - 4694 Mafoko Street, Ikageng, POTCHEFSTROOM, 2531 - *Rorisang Cecil Vakele*
370. Yolalia Theresa Elena Lottering - 971110 0059 *** - 1 Anreith Avenue, BELHAR, 7493 - *Layla*
371. Patience Gawulekhaya - 860627 0772 *** - 546 Cycad Street, Extension 2, ALVEDA, 2091 - *Lilitha Patience*
372. Kevin Muofhe - 011121 5112 *** - 77 Block Aa, SOSHANGUVE, 0152 - *Kevin Asiashu*
373. Annah Annikie Kekana-Manana - 860624 0812 *** - 11568 -X, MABOPANE, 0190 - *Annikie Ngwanamolelane*
374. Aphiwe Bene - 010814 0182 *** - 23 Rosamond Street, Wasbank, KUILSRIVER, 9031 - *Amphiwe*
375. Nongakakubane Joyce Peter - 011209 0110 *** - 2478 Naledi Street, Masilo Location, THEUNISSEN, 9410 - *Nonga Natasha*
376. Ntombizodwa Glenrose Khumalo - 891110 1216 *** - Eskom No 383, Masondeza, MADADENI, 2951 - *Ntombengwele Lamlile*
377. Lolo Mashilo - 831006 5846 *** - 61 Krough Street, MAKHADO, 0920 - *Lolo Lucas*
378. Nonkululo Mkebe - 911224 1049 *** - 5859 Nu2, MDANTSANE, 5219 - *Aviwe Nonkululo*
379. Qeeun Xitshembiso Rikhotso - 981222 0727 *** - P O Box 2190, ELIM HOSPITAL, 0960 - *Queen Xitshembiso*
380. Malefu Elizabeth Nthabi - 811221 0803 *** - 31 Thiliji Dingaen Street, Paballelo, UPINGTON, 8801 - *Malefa*
381. Xolisile Jabu Ngozi - 000527 5620 *** - Mzinhlanga Area, UMZIMKHULU, 3297 - *Xolisile Lindokuhle*
382. Tsokolo Jappie Falla - 920322 5666 *** - 2086 Vuka Section, Phahameng Location, BULTFONTEIN, 9670 - *Sean*
383. Nqobile Dlamini - 000409 5275 *** - 10 Gux Road, Salheim, GERMISTON, 1401 - *Maswati Nqobile*
384. Msizi Hlatshwayo - 950522 5649 *** - 2159 Myortho Street, Emndeni, SOWETO, 1568 - *Msizi Majahandile Zithulele*
385. Doreen Gaohose - 931226 0917 *** - 38 Griffirth Road, Newclare, JOHANNESBURG, 2093 - *Palesa*
386. Pateka Yolanda Mqingo - 810210 1035 *** - 3 Ntuli Street, Mandela Park, UMTATA, 5100 - *Pateka Yolanda Emihle*
387. Malefu Mavis Ntambama - 830515 0695 *** - 28 Zone 3, SEBOKENG, 1983 - *Bophelo Mavis*
388. Andries Zucula - 950427 5844 *** - House No 328, Extension 20, Northam, HELLEN PARK, 6626 - *Zimele Anzani*
389. Matodzi Ntokozo Yende - 950908 0063 *** - 24 Lombardy Road, FOUWAYS, 2055 - *Ntokozo Matodzi*
390. Matshidiso Philadelphia Tlome - 971110 0143 *** - 2258 Eureka Park, Meloding, VIRGINIA, 9430 - *Cidy Alexandria*

391. Ntombi Margaret Mngoma - 890409 0521 *** - Adams 62354, AMANZIMTOTI, 4126 - *Ntombizamacenge Thembelihle*
392. Dibakiso Grace Thota - 970220 0398 *** - 1531 J, BOTSHABELO, 9781 - *Lerato Grace*
393. Koketso Merriam Letsoalo - 940902 0511 *** - 525 Zone 4, LETLHABILE, 0264 - *Koketso Tumisho*
394. Jason Trevor Meyer - 980227 5375 *** - 21-9th Avenue, RETREAT, 7945 - *Jihaad*
395. Nozimanga Emmaculate Malashe - 850211 0752 *** - 15 Peppertree Street, BRACKENFELL, 7560 - *Emmaculate*
396. Tetelo Alex Makgati - 020720 5206 *** - Lesetsi Village, MPHAHLELE, 0736 - *Alex Sekwape*
397. Lungani Ngcobo - 980308 5588 *** - 1334 Unit J, Imbali, PIETERMARITZBURG, 3201 - *Lungani Goofy*
398. Nqobile Maipato Luhlongwane - 010102 0891 *** - 231 Emachobeni, INANDA, 4310 - *Nqobile Mpheletso*
399. Puleno Machochoko - 930207 0516 *** - 2415 Nozala Street, MBEKWENI, 7626 - *Puleng*
400. Jesica Rossouw - 950726 0124 *** - Frangipani 23, Jack Hindon Crescent, POTCHEFSTROOM, 2531 - *Jessica*
401. Courtney Abraham Sampson - 991105 5143 *** - 56 Fitzroy Road, GOODWOOD, 7460 - *Luke Abraham*
402. Padiso Phenuel Phokane - 990629 5640 *** - 126 Blyde Avenue, Extension 3, Leachville, BRAKPAN, 1541 - *Padiso Phanuel*
403. Mvuyo Tshingana - 670421 5730 *** - Luzuphu Area, LUSIKISIKI, 4820 - *Mvuyo Victor*
404. Magdalene Purdy Abrahams - 600924 0821 **** - K – 12 Magnolia Flats, PAARL, 7620 - *Purdy Magdalene*
405. Cornelia Swart - 630222 0351 *** - 26 Woodwind Circle, STEENBERG, 7945 - *Linda*
406. Krishnawathe Tommy - 600112 0237 *** - 7 Barley Street, DALPARK 11, 1543 - *Jessie*
407. Bukelwa Deborah Mdelela - 640828 0478 *** - 85 Wodenhou Street, Sandringham, QUEENSTOWN, 5320 - *Deborah Bukelwa Nobubele*
408. Patience Duba - 670702 0609 *** - 1880 Greenrich Crescent, NEWLANDS WEST, 4037 - *Patience Thandi*
409. Mary Hluphekile Mathye - 650614 0493 *** - 362 Block Bb, SOSHANGUVE, 0152 - *Mary Nokubonga*
410. Raphael Nhlahla Langa - 630105 5938 *** - Kwasishwili Area, ULUNDI, 3838 - *Raphael Nhlanhla*
411. Sagonkga Steve Lesese - 630809 5531 *** - Hlalanikahle, NEBO, 1059 - *Kgomatau Steve*
412. Bawinile Nkosi - 630104 0632 *** - C – 849 Xaba Road, HAMMARSDALE, 3700 - *Bawinile Cordelia*
413. Mbongeni Winnet Khumalo - 690608 5829 *** - Umkhoma Reserve, Enseleni, RICHARDS BAY, 3900 - *Sifiso Mbongeni Winnet*
414. Nomlindo Bulana - 660104 1125 *** - Phakamisani Township, CALA, 5455 - *Nozicelo*
415. Candice Bernice Sheik Adam - 811214 0157 *** - 81 Chichester Road, KENILWORTH, 7748 - *Amiena*
416. Cheslin De La Crouse - 800501 0180 *** - 68 Dahlia Lentegour, MITCHELLS PLAIN, 7789 - *Lameez*
417. Esmarelda Redmond - 830811 0226 *** - 359 Dominoes Avenue, Pretoria, EERSTERUST, 0022 - *Esmeralda*
418. Lichelle Rafiq - 880223 0182 *** - 331 Clove Drive, ZARK PARK, 1820 - *Sabeeha*
419. Charl Curt Windvogel - 881216 5017 *** - P 202 Belhar Gardens, Carmen Close, BELHAR, 7493 - *Shaheed*
420. John Rudolph Fisher - 860614 5155 *** - 39 Aletta Court, MANENBERG, 7764 - *Junaid*
421. Claud Antonio Cupido - 870227 5216 **** - 65 Olyfberg Road, Bishop, LAVIS, 7490 - *Qasim*
422. Nicolette Nicol Khan - 871125 0180 *** - 421 Havenside Drive, CHATSWORTH, 4092 - *Shaista Fiaz*

423. Subashni Govinden - 800513 0235 *** - 8 Holiday Road, Merrivale, HOWICK, 3290 - *Jolene Subashni*
424. Cindy Lee Majiet - 840301 0270 *** - 20 Geeubloemetjie Street, Lentegeur, MITCHELLS PLAIN, 7789 - *Saadiqah*
425. Nicolette Jane Jacobs - 850506 0044 *** - 4 Gabriel Street, DELFT, 7100 - *Naiema*
426. Meagon Diane Benjamin - 841125 0121 *** - 21 Deodar Street, Eersteriver, MITCHELLS PLAIN, 7789 - *Aminah*
427. Melissa Anthea Hess - 850902 0221 *** - 59 Palliadum Street, MITCHELLS PALIN, 7789 - *Malaika Aanisha*
428. Leigh Valentino Amos - 880214 5098 *** - 27 Kersboom West Street, BONTEHEUWEL, 7764 - *Laeeq Amos*
429. Cade Samuel Naidoo - 871212 5016 *** - 36 – 3c The Parks, Riversands Build, RIVERSANDS, 1684 - *Muhammed Zayaan*
430. Tracy Lee Adams - 790905 0067 *** - 40 Lantana Street, Lentegeur, MITCHELLS PLAIN, 7789 - *Tasneem*
431. Coleen Watson - 770514 0150 *** - 3 Devon Road, KENTON ON SEA, 6191 - *Isabella Iana*
432. Kogilan Chinsamy - 780219 5231 *** - 429 Summerfields Road, Bayview, CHATSWORTH, 4032 - *Dean*
433. Phoebe Bertha Neitzel - 350823 0121 *** - 58 16th Street, Parkhurst, JOHANNESBURG, 2193 - *Patricia Phoebe Bertha*
434. Randell Jerome Lewis - 720516 5235 *** - 31 A Cloat Fish, MANNENBERG, 1964 - *Rashied*
435. Petrus Johannes Loubser - 611109 5159 *** - Rothdene Complex 2, 155 Von Willich Avenue, Rothdene, MEYERTON, 1961 - *Peter John*
436. Gertrude Visagie - 680818 0118 *** - 11 Llupe Stree, Uitsig, RAVENSMEAD, 7493 - *Trudy*
437. Johannes Albertus Willemse - 690703 5345 *** - 9 Saringa Close, Westridge, MITCHELLS PLAIN, 7785 - *Albertus Johannes*
438. Shireen Sharon Gordon - 710711 0157 *** - No 15 Block 1, KENTOWN, 7764 - *Nazley*
439. Geetha Brigmohun - 741017 0019 *** - 53 Satinspar Drive, Copesville, PIETERMARITZBURG, 3201 - *Githa Lavanyaa*
440. Ntombizamile Priscilla Ncama - 861013 0356 *** - 5 River Meade 2 Rodgers, Lincoln, PIETERMARITZBURG, 3201 - *Nokukhanya Priscilla*
441. Sethulelo Ngcobo - 010125 5559 *** - Kwamafunza, Elandskop, PIETERMARITZBURG, 3201 - *Wandile Sethulelo*
442. Mamphule Redutse Hunadi Ntladi - 900422 0834 *** - 119 De Wet Drive, Florapark, POLOKWANE, 0699 - *Mamphule Hunadi*
443. Garth Jonathan Desmond Campbell - 950730 5091 *** - 4 Georginia Street, Horison, ROODEPOORT, 1724 - *Garth*
444. Matlakala Moumakwa - 991130 0336 *** - Goo-Rakoipi Section, Mokgola Village, LEHURUTSHE, 2869 - *Regomoditswe Matlakala*
445. Katlego Melvine Mashego - 970227 6023 *** - 2800 Tubatse Township, Praktiseer, BURGERSFORT, 1150 - *Katlego Bruno Melvine*
446. Makgotla Agrippa Sehole - 741124 5787 *** - 3848 Extension 7, JOUBERTON, 2574 - *Makhotla Khotso*
447. Khalinthathu William Nyoni - 441207 5443 *** - 1503 Block G, SOSHANGUVE, 0152 - *Khalid Walid*
448. Hanaan Jacobs - 660819 0101 *** - 24 Ashford Road, HEATHFIELD, 7945 - *Patricia Anne*
449. Harold Edmund Faroo - 661008 5673 *** - 12 Elizabeth Crescent, Montrose Park, MITCHELLS PLAIN, 7789 - *Haroon*
450. Loretta Luximi Pillay - 661031 0128 *** - 121 Southfork Flat, Capella Street, Extension 9, LENASIA, 1827 - *Zaheera Saloojee*
451. Michelene Grace Fortuin - 690115 0200 *** - 42 Umerick Road, CRAWFORD, 7764 - *Micheline Grace*

452. Keenan Richard Daniels - 980917 5086 *** - 5 Mandoline Square, STEENBERG, 7945 - *Qiyaam*
453. Larnie Haanim - 991202 0359 *** - 24 Blanken Road, KENWYN, 7780 - *Haanim*
454. Jean-Marie Nortje - 820803 0024 *** - 39 Devenish Street, POLOKWANE, 0700 - *Jean-Marie Tarien*
455. Makoma Alidah Ramoretti - 861216 0956 *** - House 20246 36 Lesokana Street, Rethabile Gardens, POLOKWANE, 0699 - *Israel Favor*
456. Lesetja Makurung Mothiba - 980415 5573 *** - 99 Vorsteer Street, MODIMOLLE, 0700 - *Mogobe Bapane*
457. Daniela Keify - 940630 0211 *** - 25 Schreiner Road, TABLE VIEW, 7441 - *Dan Tyde*
458. Kebogile Obed Ngwako - 890302 5869 *** - 36 Gifboom Street, Unit 170, Herronbrook Estate, ESTHER PARK, 1619 - *Lemohang Obed*
459. Kgolane Samuel Serake - 830110 5823 *** - 6445 Zoolake Street, Mayfield, DAVEYTON, 1520 - *Maditau Samuel*
460. Martin Bongokuhle Nkosi - 841013 5316 *** - 25 Magalies, BRAKPAN, 1541 - *Bongokuhle*
461. Pride Nong Makola - 950811 5729 *** - No 12 Brambos, MAKHADO, 0920 - *Pride*
462. Mosa Gregory Moloto - 920327 5481 *** - 1856 Zone 5 F, SESHEGO, 0742 - *Mosa Phuti*
463. Theriso Keletso Molosiwa - 980822 5407 *** - 10 Mink Crescent, Cosmo City, Extension 7, RANDBURG, 2125 - *Leshage Theriso Keletso*
464. Mathaitshai Sandros Kgoedi - 750502 6007 *** - Private Bag X 417, Butshwana School, MOETLADIMO, 0891 - *Josefa Sandros*
465. Vatiswa Pamela Ramatseba - 800823 0548 *** - 5 Magnolia Street, Lindhaven, ROODEPOORT, 1907 - *Pamella Vathiswa*
466. Nakene Moletsane Dube - 951226 0232 *** - 4 11th Avenue, Orange Groove, JOHANNESBURG, 2192 - *Masego Nakene Moletsane*
467. Wilbert Boy-Boy Kubayi - 800722 5466 *** - 34 Theresa Park Estate, Burning Bush Street, PRETORIA NORTH, 0182 - *Wilbert Basani Samson*
468. Tahleho Mahlaba - 931228 5315 *** - 619 Silverton Street, Petsana, REITZ, 9810 - *Buti*
469. Malik Trodger Maloka - 800622 5595 *** - 410 Zone 3, THABA NCHU, 9780 - *Sello David Malik Trodger*
470. Phindile Priscilla Ramarope - 890930 0292 *** - 928 Monato Street, Phase 4, GA RANKUWA, 0208 - *Phindile Priscilla Lebogang*
471. Michael Patrick Ashton - 931021 5009 *** - 15 Conyngham Avenue, Park Hill, TONGAAT, 4051 - *Alyx Alyssa Jessica*
472. Liziwe Nkomonye - 971021 0503 *** - Ntsimbakazi Area, WILLOWVALE, 5040 - *Chuma*
473. Ntakuseni Vele Patrick Ndou - 890304 5456 *** - Unit 2 Cedar View, Tufa Street, Little Falls, ROODEPOORT, 1724 - *Yehudah*
474. Dylon Pretorius - 940526 5113 *** - 47 Florida Avenue, Extension 7, ELDORADO PARK, 1811 - *Dylon Jabulani*
475. Frans Dudu Phoshoko - 640120 5316 *** - 3102 Stoffelpark, MAMELODI, 0122 - *Frans Makgoba*
476. Sasavona Fortunate Nkuna - 760512 0325 *** - 42 Hoog Street, Fauna Park, POLOKWANE, 0699 - *Mikateko Fortunate*
477. Nokwanda Gala - 610616 0842 *** - Mcwengele Area, DORDRECHT, 5410 - *Nomasikizi Nokwanda*
478. Obert Robert Ndlovu - 610213 5451 *** - Stand No 329, MHALA, 1365 - *Obert*
479. Sindisiwe Evelyn Dashe - 740822 0273 *** - No 494 Street, Togela Drive, Elawini, NELSPRUIT, 1200 - *Sindisiwe Evelyn Muhammed*

480. Amakuda Niama Cambinda - 830301 1354 *** - 734 Esperanza Location, POMFREY, 8617 - *Dominga*
481. Mbulelo Petrus Swarts - 830725 5883 *** - 1314 Ipopeng Location, FAURESMTIH, 9978 - *Mbulelo Petrus Fortune*
482. Perceverance Thotse - 930806 5055 *** - Isithame Section, TEMBISA, 1632 - *Lesiba Perceverance*
483. Jacob Mzwakhe Maseko - 950605 5479 *** - 143 Azapo, Emzinoni Township, BETHAL, 2310 - *Skhumbuzo Josiah*
484. Kamogelo Raymond Lebokana - 940709 5486 *** - 385 8th Road Kenya, Tsutsumani, ALEXANDRA, 2090 - *Leshalabe Kamogelo Raymond*
485. Tumisang Lekalakala - 941225 0790 *** - 1182 West Proper, KANANA, 0400 - *Alphinah Tumisang*
486. Justice Resemate Phora - 611023 5724 *** - 2921 Bock E, Jakalsdams, MADIBENG, 0202 - *Mabule Justice*
487. Rosaria Mathogondlo Matlakala Bopape – Baloyi - 730329 0389 *** - 44 Milner Drive, KIBLER PARK, 2091 - *Rosaria Matlakala Matlhogonolo*
488. Nosholi Mtsheya - 010206 1211 *** - Gabajana Area, FLAGSTAFF, 4810 - *Qaqamba*
489. Mahlomula Fanyana Tsotetsi - 860410 5692 *** - 1970 Monaheng Street, Sakhile Location, STANDERTON, 2430 - *Mohau*
490. Alex Sibonisile Nkosiyeza Mayime - 841025 6073 *** - Ntlangaza Area, MQANDULI, 5080 - *Sibonisile*
491. Richard Mathebula - 010107 5506 *** - Stasie Section, ALVERTON, 1120 - *Richard Musa*
492. Koketso Khunou - 770830 0343 *** - 10 Amandahof, 15 Orgidee Avenue, AMANDASIG, 0182 - *Koketso Ava*
493. Nopatuxolo Yvonne Mlanduli - 681008 1034 *** - 5485 Sisulu Street, Cross Road, NYANGA, 7755 - *Nomawetu*
494. Lystra Nonkazimulo Tsitsa – Mngeni - 650727 0827*** - 61 Sohuwa Street, MFULENI, 7100 - *Nonkazimlo Lystra*
495. Gretta Notshutsha - 711228 0949 *** - 182 Kruger Street, CENTURION, 0157 - *Nokulunga Gretta*
496. Refuwe Sithelo - 010325 5914 *** - Meriting Location, MOUNT FLETCHER, 4770 - *Refuwe Ayanda*
497. Vusumuzi Blessing Masilela - 470622 0344 *** - No 1366 Kwaggafontein A, EMPUMALANGA, 0458 - *Nompumelelo Dorcas*
498. Phutiane Alpheus Mehlape - 490514 5600 *** - Sefhiskop, MAMABOLO, 0730 - *Phutiane Rankageleng*
499. Iris Ntombizakude Cembu - 480208 0598 *** - 8384 2nd Avenue, PEDDIE, 5640 - *Iris Ntombizakude Primrose*
500. Kgabo Richard Mothotse - 560512 5324 *** - 8 Valerie Road, Extension 7, Birchleigh, KEMPTON PARK, 1620 - *Kgabo Father*
501. Matlala Joyce Ramokoka - 590407 0847 *** - 330 Seloshesha Section, RAMOKOKASTAD, 0195 - *Mmatlala Martha*
502. Zodwa Ndlovu - 970824 0977 *** - 832 Selokong Section, WONDERKOP, 0317 - *Khanyisile Zodwa*
503. Thomson Gezani Mabunda - 620306 5359 *** - G 009 Tornado, Madikwana Section, BRITS, 0250 - *Thomson Kole*
504. Ntombikile Mzinjana - 941108 1114 *** - Moyeni Area, Mphangane Location, LIBODE, 5160 - *Ntombikile Asakhe*
505. Imaculada Da Conceicho Amões - 661208 0271 *** - 25 Arbroath Road, BEDFORDVIEW, 2007 - *Imaculada Conceicho Cassinda*
506. Makhava Tyhobeka - 560918 5810 *** - Machibini Area, QUEENSTOWN, 5320 - *Makhaya*
507. Annemie Burger - 930123 6283 *** - De Rand, STELLENBOSCH, 7600 - *Adriaan*
508. Sipho Sikoti - 560918 5860 *** - 616 Chrishani Lpark, UMTATA, 5099 - *Sipho Mzukisi Herbert*
509. Celiwe Mkhonza - 900606 0089 *** - 5 Piet Retief Street, Nigel, JOHANNESBURG, 1490 - *Celiwe Lee*

510. Matefo Mositoane - 950731 0860 *** - 4 Aden Avenue, Aden Court, Unit 9, ATHLONE, 9463 - *Katleho Matefo*
511. Mziwodumo Mkhwana - 950621 5983 *** - B 689 A Vukani Street, Site C, KHAYELITSHA, 7784 - *Zukisani Mziwodumo*
512. Isaac Perseverance Mluleki Mbhele - 730202 6077 *** - Ngobe Area, BERGVILLE, 3350 - *Mbekezeli Mluleki*
513. Mompoti Siphon Tihale - 730608 5337 *** - 72 Besembos Avenue, Pellissier, BLOEMFONTEIN, 9300 - *Mompoti*
514. Molelekeng Elsie Koleile - 910109 0504 *** - 7717 Phase 4, BLOEMFONTEIN, 9301 - *Lebu Faith*
515. Fortunate Masele Sibiyi - 010312 0691 *** - 2638 Section I, EKANGALA, 1021 - *Fortunate Mbalenhle*
516. Brian Lesiba Choenyana - 790604 5448 *** - Mgwababa, Phokwane, NEBO, 1059 - *Choenyane Lesiba*
517. Amber Kendra Williams - 980331 0114 *** - 28 Burns Road, SALT RIVER, 7965 - *Kendra Amber*
518. Mokaki Andries Molatlhegi - 940415 6293 *** - 9617 K 9, Kutlwanoong, WELKOM, 9483 - *Itumeleng Andries*
519. Shantal Bennee Schoeman - 761219 0422 *** - 7 Metropal Crescent, Terenure, Extension 15, EDENVALE, 1619 - *Shantal Renee*
520. Sophia Maholela - 781223 1174 *** - 261 Prince George Park, 321 Trichardt Road, BOKSBURG, 1460 - *Sophia Masebitsa*
521. Zacharia Thabiso Ntoampe - 900122 5885 *** - Magakala, MOROKE, 1154 - *Zacharia Mohube*
522. Mondende Mavis Moyo - 970307 0118 *** - 51 Goniwe Section, Ivory 3, Tembisa, MIDRAND, 2499 - *Mavis Mapule*
523. Limakatso Grace Likhoele - 820209 0356 *** - 788 Seeisoville, KROONSTAD, 9499 - *Havah*
524. Khumotso Nkuna - 000619 0818 *** - Ga Matshwi, MODJADJISKLOOF, 0838 - *Amokelane Khomotso*
525. Lucricia Venice Petrus - 920725 0128 *** - 108 Wild Street, Schauderville, PORT ELIZABETH, 6000 - *Laila*
526. Anathi Mjoli - 920216 0691 *** - Myalidini Location, UMZIMKHULU, 3297 - *Anathi Nontando*
527. Nokuphila Precious Gceba - 010827 0363 *** - 5248 Thatseng Street, GERMISTON, 1401 - *Analo Precious*
528. Undigcine Priscilla Sicina - 960114 1091 *** - Po Box 178, BULWER, 3244 - *Undigcine Ayanda*
529. Phuti David Roy Mahlangu - 741217 5555 *** - 35 Letubu Street, Penina Park, POLOKWANE, 2125 - *Raletsoko Roy*
530. Lolo Nkonkca - 890708 5617 *** - G 064 Modikwane Section, Modderspruit, BRITS, 0250 - *Lolo Luyolo*
531. Diboneng John Setlale - 791005 5339 *** - 480 Letlhakeng, BRITS, 0250 - *Thabo Diboneng John*
532. Keabetswe Manana Mahlangu - 890103 0372 *** - 8 Jasmin Street, Milan Park, BETHAL, 2310 - *Mandisa Marilyn Amanda*
533. Lerato Lizzy Sithole - 970327 0155 *** - 6777 Zone 12, SEBOKENG, 1983 - *Lerato*
534. Keneilwe Eunice Phokoje - 981213 0146 *** - 5273 Chief Moroka, Rockland, BLOEMFONTEIN, 9300 - *Reneilwe Eunice*
535. Master Setlale - 661018 0540 *** - 5798 Kaalfontein, MIDRAND, 0157 - *Master Minah*
536. Anna Lieketseng Motaung - 700407 0654 *** - 436 Mabena Street, Siluma View, KATLEHONG, 1450 - *Anna Marashane*
537. Zuzani Pindani - 790605 5735 *** - Nomzamo, QUEENSTOWN, 5320 - *Thabo Zuzani*
538. Phikolethu Sontundu Sontundu - 821006 5703 *** - Po Box 811, MQANDULI, 5080 - *Phikolethu Sikonathi Lennox*
539. Sinenhlanhla Thalente Buthelezi - 840802 0646 *** - Qunwaye Primary School, Private Bag 5012, HLABISA, 3937 - *Slindokuhle Sinenhlanhla*
540. Segogoiwane Gilbert Mazwi - 600121 5417 *** - Rakgwatha, GROOTHOEK, 0608 - *Kitlane Jessee*

541. Avuya Mduana - 951220 0781 *** - 63 Livingstone Road, Top Town, QUEENSTOWN, 5320 - *Ziyabukwa Alika*
542. Avela Majavu - 990928 6240 *** - Toni, MOUNT AYLIF, 4735 - *Avela Westonia*
543. Mongadi Jack Modupe - 770422 5328 *** - Fothane Section, MAPELA, 0610 - *Modupe-Oluwa-Jack*
544. Mxolisi Kenneth Miya - 771101 5445 *** - Stand No 5073, MAHUSHU, 1240 - *Leibniz Gottfried*
545. Takalani Lackson Ramaru - 730503 6177 *** - 277 Hummingbird Avenue, OLYMPUS AH, 00081 - *Takalani Lucky*
546. Fulufhelo Eunice Mulaudzi - 790626 0356 *** - 2 Danton Street, Unit 161, JOHANNESBURG, 0950 - *Fulufhelo*
547. Tryphina Matundzana Shungube - 760504 0451 *** - 2697 Maseko Street, VOSLOORUS, 1475 - *Busisiwe Grace Tryphina*
548. Getsemame Matana - 010211 5938 *** - Cebe Area, CENTANE, 4980 - *Getsemame John*
549. Lungile Confidence Ngcobo - 880817 1096 *** - A 1933 Newtown, Siyeza Close, INANDA, 4310 - *Lungisiwe Confidence*
550. Bayanda Makhanya - 680803 5561 *** - 90 A Umdoni Road, AMANZIMTOTI, 4126 - *Bayanda Vukane*
551. Hlanka Dennis Lephera - 650623 5567 *** - Stand No 126, Moteti, RAMAPHOSA, 0958 - *Tihankana Dennis*
552. Jealous Selby Khoza - 671111 5288 *** - Stand No 116, MATAFFIN, 1205 - *Chongi Selby*
553. Marietté Feneysey - 670816 0030 *** - 22 Judge Street, BARBERTON, 1300 - *Starling*
554. Nolufefe Mbono - 851031 0754 *** - 52 Brenda Street, KUILSRIVER, 7580 - *Nolufefe Somila*
555. Rabatho Doctor Mohlala - 630622 5376 *** - 811 Motetema, MOTETEMA, 0473 - *Mathako Doctor*
556. Simon Zungu - 980224 5913 *** - Po Box 802, RICHARDS BAY, 3900 - *Smiso Snakhokonke*
557. Niesaa Arendse - 890516 0099 *** - 37 Carol Crescent Montrose Park, MITCHELLS PLAIN, 7789 - *Nadine*
558. Sphiwe Philani Mchunu - 890809 5331 *** - 8597 Zone 6, Diepkloof, Nkululeko Street, SOWETO, 1864 - *Vusumuzi Philani*
559. Thato Madimetja Makgahlela - 910529 5749 *** - Lekurung, MPAHLELE, 0736 - *Thato Morwatshoge*
560. Monica Philisiwe Nhlapho - 900722 0549 *** - Rocklane Area, BERGVILLE, 3350 - *Lungile Philisiwe*
561. Andile Siyamkela Xulu - 961024 0597 *** - Mzulini Area, STANGER, 4450 - *Nonhlanhla*
562. Motlašane Bianca Seakamela - 010622 0614 *** - 16011 Incede, Extension 16, VOSLOORUS, 1475 - *Bianca Motlašane*
563. Tracey Mbangwa – Rahman - 950731 0657 *** - No 19 Willow Drive, MTHATHA, 5120 - *Ntombenhle Tracey*
564. Johannes Lehloo - 810707 6057 *** - 3670 Mlambo Street, Phomolong, TEMBISA, 1632 - *Johannes Koba*
565. Mabuti Semie Kgomo - 780202 7275 *** - Sekgaseng, KORINGPUNT, 0632 - *Mahlafolane Sammy*
566. Lindeni Precious Mngomezulu - 750904 1197 *** - No 400 Mangolongolo Camp, DENVER, 2094 - *Linden Precious Florence*
567. Evelyn Masebone Madikane - 791010 1280 *** - No 27 Laraes Coner, Phase 3, Swarthout Street, BIRCHLEIGH, 1618 - *Evelyn Blessing*
568. Tougeedah Adams - 010615 0278 *** - 64 Merald Way, Summer Greens, MILNERTON, 7441 - *Tarsha Lashey*
569. Macdonald Suprice Phidane - 910923 5422 *** - 4 Zinia Place, CARLETONVILLE, 1724 - *Victor Macdonald*
570. Emile Ryan Neutt - 920428 5240 *** - 56 Venster Street, MANENBERG, 7764 - *Suhail*

571. Tebogo Mpho Setwaba - 801026 5673 *** - 7 Serapse Street, Rethabile Gardens, POLOKWANE, 0699 - *Tshwene Mpho*
572. Paulet Nedzingahe - 710224 0570 *** - Lufule 2, THOHOYANDOU, 0950 - *Masindi Paulet*
573. Tshep Valentine Letsha - 981102 5615 *** - 22 Duplessis Avenue, KEMPTON PARK, 1619 - *Tshepo Valentine*
574. Reabetswe Molamu - 980810 5585 *** - 7897 Makhene Street, Unit 6, MMABATHO, 2735 - *Reabetswe Senne*
575. Sixolise Mpengesi - 980728/ 6448 *** - 28 Damane Street, Waterfall Park, MTHATHA, 5099 - *Sixolise Hlelokuhle*
576. Faith Gamelihle Helen Nkosi - 980129 0564 *** - Stand No 1004, Khumbula Trust, KABOKWANI, 1245 - *Helen*
577. Lucky Kgasago - 970225 1279 *** - 11 Bosman Street, STELLENBOSCH, 7600 - *Lotte Mahlatse*
578. Nkopodi Mocks Kgoloko - 670409 5527 *** - Po Box 141, NEBO, 1059 - *Motubatsemocks*
579. Lethabo Rapuru Ntladi - 030201 5693 *** - Po Mpudulle, NEBO, 1059 - *Mosegwe Lethabo*
580. Tsepo Stevens Nkoana - 031206 5176 *** - 2087 Rakobo Section, HAMMANSKRAAL, 0400 - *Tshepo Stevens*
581. Analo Daza - 960502 5679 *** - Nkoso, FLAGSTAFF, 4810 - *Philani*
582. Alpheus Theledi Mabilo - 630421 5455 *** - 4372 Gift Street, Extension 2, NELLMAPIUS, 0122 - *Thomas*
583. Louis Muzikaise Ledwaba - 850607 6055 *** - Sky City, 641 Milkfish Street, Waterval Spruit, ALBERTON, 1450 - *Louis*
584. David Mabe Mpudi - 641013 5793 *** - 779 Pilate Street, TLHABANE, 0300 - *Marvellous Mabe David*
585. Priscilla Mohulatsi - 880831 0192 *** - 42/6111 Chando Crescent, Extension 4, ZANDSPRUIT, 2188 - *Priscilla Ndivhuwo*
586. Leonard Dobe - 830927 6447 *** - Nkunzimbini, LUSIKILSIKI, 4820 - *Leonard Mzukisi*
587. Ellen Malope - 631010 0631 *** - 247 Section B, KWAMHLANGA, 1022 - *Ramadimetsa Ellen*
588. Violence Ubisi - 931025 1067 *** - Stand No 136, Welverdiend Trust, HLUVUKANI, 1363 - *Venessa Ntombi*
589. Thembanani Mtshweni - 990222 1136 *** - 20604 Extension 18, EMBALENHLE, 2285 - *Gugu Christiana Thembanani*
590. Princess Hlabisile Ntuli - 840724 1142 *** - Mkhoboza Area, ESIKHAWINI, 3900 - *Princess Zinhle*
591. Andile Valelo - 681110 6063 *** - 975 Block B, SOSHANGUVE, 0152 - *Andries*
592. Nozipho Palesa Siziba - 011023 0519 *** - 42 Lonely Park, MMABATHO, 2735 - *Nozipho Zimbali Palesa*
593. Sinogugu Dyantyi - 990520 1544 *** - Mkhethane Area, MATATIELE, 4730 - *Sinogugu Samkelisiwe*
594. Vuyiseka Duda - 930910 0474 *** - No 14 Nkomo Drive, Joe Slovo, MILNERTON, 7441 - *Vuyiseka Precious*
595. Phapane Johannes Mninjane - 911212 6283 *** - 38461 Freedom Q, BLOEMFONTEIN, 9300 - *Peter*
596. Nontlupheko Monica Nkohl - 700105 0621 *** - Ndlovini Village, Cath Cart, STUTTERHEIM, 4930 - *Noandile Monica*
597. Thembaletu Promise Ntombela - 680407 0468 *** - Po Box 958, ESIKHALENI, 3900 - *Bongiwe Promise*
598. Iviwe Chris Zwezwe - 001130 5835 *** - Elukhanyeni, UMZIMKHULU, 3297 - *Iviwe*
599. Simphiwe Ntutela - 800122 5964 *** - 1 Qabaka Street, KWANOBUHLE, 6242 - *Simphiwe Mcdonald*
600. Tshepo Mokokoropo Diabelo - 861018 5733 *** - Stand No 10262, Mokwete, JANE FURSE, 1085 - *Bigmabina Tshepo Mokokoropo*

DEPARTMENT OF HUMAN SETTLEMENTS

NO. 1557

3 December 2021

Nomination of Persons to serve as Members of the Ministerial Advisory Panel in Terms Of The Housing Amendment Act, 2001 [Act No 4 Of 2001]

1. Notice is hereby given in terms of section 5(3) of the Housing Amendment Act, 2001 [Act No 4 of 2001], that the Minister of Human Settlements invites nominations of persons to be appointed to serve as Members of the Ministerial Advisory Panel, to advise the Minister on matters relating to Human Settlements development.
2. Persons who are experienced, knowledgeable and skilled in the following fields, should be nominated; and such competencies be clearly reflected in their curriculum vitae:
 - ❑ Theoretical and/or practical knowledge in human settlements policy development.
 - ❑ Extensive knowledge in human settlements financing.
 - ❑ Engineering and/or Town and Regional Planning skills.
 - ❑ Mobilisation and organisational skills; and
 - ❑ Legal expertise

Candidates for members of the panel must be of unquestionable integrity.

3. The following provisions of the Act have a bearing on the appointment of the members of the panel:

5. (2) A panel shall consist of not more than six proper persons who have knowledge, qualifications or experience in the field of human settlements development.
- (3) Members of a panel shall be appointed in accordance with procurement policy that is consistent with section 217 of the Constitution and must be appointed only after the Minister has through the media and by notice in the *Gazette* invited nominations of persons as candidates for the respective positions on the panel.
- (4) A member of a panel is appointed for the period determined by the Minister at his or her appointment, and may, subject to subsection (3), be reappointed on the termination of that period.
- (5) The Minister may at any time terminate the membership of a member of a panel for reasons which are just and fair.
- (6) A member of a panel other than a person who is in the full-time employment of the State, is paid an allowance determined by the Minister with the approval of the Minister of Finance.
- (7) A member of the panel ceases to be a member if -
- (a) he or she resigns.
 - (b) his or her estate is sequestrated, or he or she applies for assistance contemplated in section 10(1)(c) of the agricultural Credit Act, 1966;
 - (c) he or she becomes of unsound mind.
 - (d) he or she is convicted of an offence and sentenced to imprisonment without the option of a fine; and
 - (e) he or she becomes a member of Parliament, a provincial legislature, a municipal council, the Cabinet or the Executive Council of a Province.

4. A nomination must be accompanied by a comprehensive curriculum vitae of the nominee.
5. Nominations must be submitted to the Department of Human Settlements on or before 17 December 2021-
 - (a) by posting it to the following address:
Department of Human Settlements
Private Bag X644
Pretoria
0001
[For Attention: Mr. N Chainee]
 - (b) by submitting it to:
Department of Human Settlements
Govan Mbeki House
240 Justice Mahomed Street
Sunnyside
Pretoria
0002
[For Attention: Mr. N. Chainee]
6. Enquiries may be directed to Mr N Chainee at 012 421 1603 or Dr T Ramovha at 079 510 2505.

NB: Women, Persons living with disability and Youth are encouraged to apply. Correspondence will be limited to successful nominees.

MT KUBHAYI (MP)

MINISTER OF HUMAN SETTLEMENTS

DATE:

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

NO. 1558

3 December 2021



**CO-OPERATIVE THAT HAVE BEEN DIRECTED TO CHANGE NAMES BY THE REGISTRAR OF
CO-OPERATIVES IN TERMS OF SECTION 11 OF CO-OPERATIVES ACT NO. 14 OF 2005, AS
AMENDED.**

Notice is hereby given in terms of section 11 of the Co-operatives Act of 2005 as amended, that the name of **BOKAMOSO BO KGANYA CLEANING SERVICES PRIMARY CO-OPERATIVE LIMITED** has been revoked and changed to **MPITIKWANE CLEANING SERVICES PRIMARY CO-OPERATIVE LIMITED**.

REGISTRAR OF CO-OPERATIVES
Office of the Registrar of Co-operatives
The DTIC Campus
77 Meintjies Street
Sunnyside
0002

Private Bag X237
PRETORIA
0001

DEPARTMENT OF WATER AND SANITATION

NO. 1559

3 December 2021

**NATIONAL WATER ACT, 1998
(ACT NO. 36 OF 1998)****RESERVE DETERMINATION FOR WATER RESOURCES OF THE CROCODILE WEST AND
MARICO CATCHMENTS IN TERMS OF SECTION 16(1) AND (2) OF THE NATIONAL WATER
ACT, 1998 (ACT NO. 36 OF 1998)**

I Senzo Mchunu, in my capacity as Minister of Water and Sanitation, having complied with section 13 of the National Water Act, 1998 (Act No. 36 of 1998) ("the Act"), and Regulation 3 of the Regulations for the Establishment of Water Resource Classification System (No. R. 810 *Gazette* No. 33541, 17 September 2010), and duly authorised in terms of sections 16(1) and 63(1)(a) of the Act, after having complied with section 16(2) and (3) of the Act, hereby publish the Reserve determination for water resources of the Crocodile West and Marico catchments.

Director: Reserve Determination
Attention: Mr Yakeen Atwaru
Department of Water and Sanitation
Ndinaye Building
178 Francis Baard Street
Private Bag X313
Pretoria
0001
Email: atwaruy@dws.gov.za



SENZO MCHUNU (MP)
MINISTER OF WATER AND SANITATION

DATE: 13/10/2021

SCHEDULE**RESERVE DETERMINATION OF WATER RESOURCES FOR THE CROCODILE WEST AND MARICO CATCHMENTS IN TERMS OF SECTION 16(1) AND (2) OF THE NATIONAL WATER ACT, 1998 (ACT NO. 36 OF 1998)****1. ACRONYMS AND DEFINITIONS****1.1. List of Acronyms**

ASPT	Average Score Per Taxon
BHN	Basic Human Needs
CEV	Chronic Effects Value
DWA	Department of Water Affairs
DWAF	Department of Water and Forestry
DWS	Department of Water and Sanitation
EcoSpecs	Ecological Specifications
EIS	Ecological Importance and Sensitivity
EWB	Ecological Water Requirements
FRAI	Fish Response Assessment Index
GRDM	Groundwater Reserve Determination Methodology
GW	Ground Water
HN	Hydro-Node
MCM	Million Cubic Metres
MLF	Maintenance Low Flow
NMAR	Natural Mean Annual Runoff
NTU	Nephelometric Turbidity Units
PAI	Physico-chemical Driver Assessment Index
PES	Present Ecological Status
RC	Reference Condition
REC	Recommended Ecological Category
RHP	River Health Programme
SRP	Soluble Reactive Ortho-Phosphorus
TIN	Total Inorganic Nitrogen
TPCs	Thresholds of Potential Concern
WMS	Water Management System
WRC	Water Research Commission
WQ	Water Quality
WQSU	Water Quality Subunits

1.2. Definitions

In this Schedule any word to which a meaning has been assigned in the National Water Act shall bear the meaning so assigned and, unless the context otherwise indicates -

“Baseflow” is a sustained low flow in rivers during dry or fair weather conditions, but not necessarily all contributed by groundwater; and includes contribution from delayed interflow and groundwater discharge;

“Class of a Water Resource” means a set of desired characteristics for use and ecological condition for significant water resources in a given catchment (integrated unit of analysis). The Class must describe the extent of use of the water resource; the Reserve; the resource quality objectives and the determination of the allocable portion of the water resource for use. Water resources must be classified into one of the three classes, Class I water resource Class II water resource and Class III water resource;

“Ecological Category” means the ecological condition to a water resource that reflects the deviation of the biophysical components of the water resource from the natural reference condition;

“Ecological Importance and Sensitivity” (EIS) means key indicators in the ecological categorisation of water resources. Ecological importance relates to the presence, representativeness and diversity of species of biota and habitat. Ecological sensitivity relates to the vulnerability of the habitat and biota to modifications that may occur in flows, water levels and physico-chemical conditions;

“Ecological Water Requirement” (EWR) means the flow patterns (the magnitude, timing and duration thereof) and the water quality needed to maintain a riverine ecosystem in a particular condition and refers to both the quantity and quality components of a riverine ecosystem;

“EWR Sites” means specific points on the river as determined through the site selection process. An EWR site consists of a length of river which may consist of various cross-sections for both hydraulic and ecological purposes. These sites provide sufficient indicators to assess environmental flows and assess the condition of biophysical components (drivers such as hydrology, geomorphology and physico-chemical) and biological responses (viz. fish, invertebrates and riparian vegetation);

“Recharge” means the addition of water to the zone of saturation, either by downward percolation of precipitation or surface water and/ or the lateral migration of groundwater from adjacent aquifers;

“Recommended Ecological Category” (REC) means an ecological category indicating the ecological management target for a water resource based on its ecological classification that should be attained. Categories range from Category A (unmodified, natural) to Category D (largely modified);

“Reserve” means the quantity and quality of the water required to satisfy the basic human needs by securing a basic water supply and to protect the aquatic ecosystem in order to secure ecologically sustainable development and use of the relevant water resource;

“River Node” (biophysical node) means modelling points representative of an upstream reach or area of an aquatic eco-system (rivers, wetlands, estuaries and groundwater) for which a suite of relationships apply.

2. DESCRIPTION OF WATER RESOURCE

- 2.1 The Reserve is determined for all or part of every significant water resource within the catchments of the Crocodile (West) and Marico, as set out below:

Water Management Area:	Limpopo
Drainage Region:	A21 to A24, A31 & A32 Tertiary Drainage Region
River(s):	Crocodile (West) and Marico river systems

- 2.2 The Minister has in terms of section 12 of the National Water Act, 1998 (Act No.36 of 1998) ("the Act"), prescribed a system for classifying water resources by issuing Government Notice No. R. 810, published in Government Gazette No. 33541 dated 17 September 2010. In terms of section 16(1) of the Act, the Minister must, as soon as reasonably practicable after the class of all or part of a water resource has been determined, by Notice in the Gazette, determine the reserve for all or part of that water resource.
- 2.3 The Minister, in terms of section 16(1) and (2) of the Act, declares the following Reserves for the Crocodile West and Marico catchments.

3. PROPOSED RESERVE DETERMINATION AS REQUIRED IN TERMS OF SECTION 16(1) AND (2) OF THE NATIONAL WATER ACT, 1998

A summary of the quantity component for the Rivers which include the EWR (**Figure 1**) and the BHN in terms of section 16(1) of the Act for the Crocodile (West) and Marico catchment is set out in Section 4. **Table 4.1& 4.2** includes the results of the EWR sites and the biophysical nodes;

A summary of the quality component for the River at EWR sites in terms of section 16(1) of the Act for the Crocodile (West) and Marico catchments is set out in **Table 5.1-5.24**;

A summary of the groundwater contribution to the Reserve for Water Quantity in terms of section 16(1) of the Act for the Crocodile (West) and Marico catchment is set out in **Table 6.1**;

A summary of the groundwater contribution to the Reserve for Water Quality in terms of section 16(1) of the Act for the Crocodile (West) and Marico catchment is set out in **Table 7.1, 7.2 and 7.3**;

The Reserve will apply from the date signed off as determined in terms of Section 16(1) of the Act, unless otherwise specified by the Minister.

4. SURFACE-WATER - QUANTITY COMPONENT FOR RIVERS

Proposed results for the Reserve determination and ecological categorisation for the Crocodile (West) and Marico catchment, where the Reserve amounts are expressed as a percentage of the NMAR for the respective catchments (cumulative) in terms of section (16)(1).

Table 4.1: Summary of the quantity component for the Rivers which include the EWR & BHN for the priority sites.

Node Name	Quaternary Catchment	River Name	PES	EIS	Recommended Ecological Category to be maintained	NIMAR (MCM) ¹	EWR % NIMAR ²	BHN Reserve ³ (%NIMAR)	Total Reserve ⁴ (%NIMAR)
EWR site Croc_EWR1	A21 H	Crocodile River from Jukeskei confluence to inflow Hartbeespoort Dam	D	Moderate	D	231.05	24.07	0.17	24.24
EWR site Croc_EWR2	A21C	Jukeskei River	E	Moderate	D	139.9	29.19	3.55	32.74
EWR site Croc_EWR3	A21J	Crocodile from Hartbeespoort Dam to upstream Roodekopjes Dam	C/D	High	C/D	143.3	25.02	0.84	25.87
EWR site Croc_EWR4	A23B	Pienaars from Roodeplaat Dam to outlet of quaternary catchment	C	High	C	28.2	30.81	1.18	31.99
EWR Site Croc_EWR5	A23J	Moretele (Pienaars) to confluence with Crocodile	D	High	D	113.0	11.82	5.23	17.05
EWR site Croc_EWR6	A22J	Hex from Bospoort Dam to inflow Vaalkop Dam	D	Moderate	D	26.9	14.96	1.35	16.31
EWR Sites Croc_EWR7	A24C	Crocodile River outflow Roodekopjes Dam to upstream Sand River confluence, Sleepfontein-spruit, Klipspruit tributaries	D	Moderate	D	463.4	13.9	0	13.9
EWR Site Croc_EWR8	A24J	Lower Crocodile from Bierspruit confluence to confluence with Limpopo	D	Moderate	D	565.16	7.48	0.09	7.57
Croc Rapid EWR9	A21F	Magalies below Maloney's Eye	B	Moderate	B	14.61	45.93	0.58	46.51
Croc Rapid_EWR10	A22A	Upper reaches of Elands (source) to Swartvuggens Dam	C	Moderate	B/C	10.1	30.48	3.66	34.14
Croc Rapid_EWR11	A21K	Upper reaches of Sterkspruit (source) to inflow Buffelspoort Dam	C	High	C	13.95	28.41	5.76	34.17
Croc Rapid_EWR12	A23G	Plat River	C/D	Moderate	C/D	4.864	23.08	14.20	37.28
Croc Rapid_EWR13	A22E	Elands from Lindleyspoort Dam to Vaalkop Dam	C	Low	C	18.77	21.90	0.312	22.21
Croc Rapid_EWR14	A22H	Waterkloofspruit to confluence with Hex	B/C	Low	B/C	5.469	28.27	38.44	66.71
Croc Rapid EWR15	A21F	Magalies, Klein Magalies, Bloubank	C/D	Low	C/D	21.89	21.18	0.39	21.57
Croc Rapid EWR_16	A21A	Rietvlei (source)	C	Low	C	4.788	27.83	28.865	56.69
EWR site Mar_EWR1	A31A	Marico Eye, Kaaloog-se-Loop, Bokkraal-se-Loop, Ribbokfontein-se-Loop, Rietvlei (southern eye), Kuisfontein, Syferfontein, Bronkhorstfontein	B	Very high	B	10.539	76.32	0	76.32
EWR Site Mar_EWR2	A31B	Groot Marico main stem upstream to Polkadraaispruit confluence	B	Very high	B	42.08	50.26	0.03	50.29
EWR Site Mar_EWR3	A31F	Marico Groot Marico from outflow Marico Bosveld Dam to Molatedi Dam, all tributaries	C/D	High	C/D	65.083	23.62	0.33	23.95

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Node Name	Quaternary Catchment	River Name	PES	EIS	Recommended Ecological Category to be maintained	NMAR (MCM) ¹⁾	EWR % NMAR ²⁾	BHN Reserve ³⁾ (%NMAR)	Total Reserve ⁴⁾ (%NMAR)
EWB Site Mar EWR4	A32D	Marico from Molatedi Dam to confluence with Limpopo, Rasweu, Maselaje rivers	C	High	C	153.25	7.96	0.01	7.97
EWB Site Mar EWR5	A31E	Klein Marico from Klein Maricopoort Dam to Krommelleboog Dam	C	Moderate	C	16.25	11.70	0.05	11.75
Rapid EWR6	A31B	Polkadraaispruit to confluence with Marico	B/C	Moderate	B	9.87	49.27	0.13	49.39

1) NMAR is the Natural Mean Annual Runoff.

2) This amount represents the long term mean based on the NMAR. If the NMAR changes, this volume will also change.

3) Represents the percentage of BHN.

4) The total Reserve amount accounts for both the Ecological Reserve and the Basic Human Needs Reserve (BHN).

Table 4.2: Summary of the quantity component for the hydronodes sites which include the EWR & BHN

Node Name	Quaternary Catchment	River Name	PES	EIS	Recommended Ecological Category to be maintained	NMAR (MCM) ¹⁾	EWR % NMAR ²⁾	BHN Reserve ³⁾ (%NMAR)	Total Reserve ⁴⁾ (%NMAR)
HN1	A21A	Hennops River upstream Rietvlei Dam	C	Low	C	11.66	27.83	11.84	39.67
HN25	A22H	Hex from Olifantsnek Dam to Bospoort Dam, Sandspruit	D	Moderate	D	12.11	15.26	17.36	32.62
HN29	A22A	Elands from Swarttuggens Dam to Lindleyspoort Dam	C	High	C	12.87	23.99	2.88	26.87
HN30	A22B	Upper Koster (source) to Koster Dam	C	High	C	2.54	22.77	15.19	37.97
EWB Site Mar EWR2	A31B	Groot Marico main stem upstream to Polkadraaispruit confluence	B	Very high	B	42.08	50.26	0.03	50.29
HN63	A31B	Groot Marico from Polkadraaispruit confluence to Marico Bosveld Dam	B	Very high	B	56.92	50.61	0.02	50.63
HN65	A31E	Klein Marico from Zeerust to Klein Maricopoort Dam	C/D	Moderate	C/D	16.25	14.26	0.05	14.31
HN43	A24H	Sand to confluence with Crocodile	B	High	B	26.56	27.04	1.93	28.97

1) NMAR is the Natural Mean Annual Runoff.

2) This amount represents the long term mean based on the NMAR. If the NMAR changes, this volume will also change.

3) Represents the percentage of BHN.

4) The total Reserve amount accounts for both the Ecological Reserve and the Basic Human Needs Reserve (BHN).

5. SUMMARY OF SURFACE WATER QUALITY COMPONENT FOR RIVERS AT EWR SITES

EWR 1: A21H-CROCODILE RIVER, Upstream of the Hartbeespoort Dam

Table 5.1: PES categories and overall site assessment for EWR Site 1

River	Crocodile River	DWA Water Quality Monitoring points
WQSU	3	A2H013 Magalies River at Scheerpoort 2002-2007 (n=205)
EWR Site	EWR1	A2H012 at Kalkheuwel on Crocodile River 2004-2008 (n=118)
Water Quality Constituents		Value
Inorganic Salts (mg/L)	MgSO ₄	72.755
	Na ₂ SO ₄	13.465
	MgCl ₂	1.368
	CaCl ₂	15.198
	NaCl	109.399
Nutrients (mg/L)	PO ₄	0.610
	TIN	4.848
	pH (pH units)	7.4-8.3
Physical variables	Temperature(°C)	16 (Single measurement)
	Dissolved oxygen (mg/L)	6.3
	Electrical Conductivity (mS/m)	66.56
Response variable	Chl-a: periphyton (mg/m ²)	-
	Biotic community composition - macro-invertebrates (ASPT) score	4.07 – 4.25
	Fish score (FRAI)	44.5
Toxics	In-stream toxicity	Weekly from waste water works, high in organics
	Ammonia(mg/L)	32
	Overall site ecological category (from PAI model)	D
		Category/Comment
		F(5)
		A(0)
		A(0)
		A(0)
		B(1)
		E(4)
		E(4)
		B(1)
		Raised due to sewage/sealed surfaces
		C(2)Riffles covered
		C(2)
		D
		High algal concentrations
		E
		D
		B(1)

Table 5.2: Water quality specifications for the Reserve (Quality Ecospecs) at EWR 1: Upstream of the Hartbeespoort Dam

RIVER	WATER QUALITY MONITORING POINTS		
	Crocodile (West) River	DWAQWMS	A2H012 Crocodile River at Kalkheuwel
WQSU	3		
EWRS SITE	EWRS1	RHP	Currently several monitoring sites
Confidence in PES assessment			
	Medium		
Water Quality constituents			
Water Quality constituents	PES Category	WQ Ecospecs	Improvement required?
Inorganic salts (mg/L)		MgSO ₄	95 th percentile to be <45mg/L
		Na ₂ SO ₄	95 th percentile to be <20mg/L
		MgCl ₂	95 th percentile to be <15mg/L
		CaCl ₂	95 th percentile to be <21mg/L
Nutrients (mg/L)	Category=E	NaCl	95 th percentile to be <191mg/L
		SRP	<0.125mg/L
		TIN	<4.0mg/L
		pH	5 th percentile(5.9-6.5)95 th percentile (8.0-8.8)
Physical Variables	Limited data and is impacted by waste water treatment works and urbanisation.	Maintain range	N/A
Response variables	Category=C.	Moderate change allowed	N/A
Toxics	B	<43.7ug/L	95 th percentile to be <43.7ug/L

EWR 2: A21C-JUKSKEI RIVER at Heron Bridge School

Table 5.3: PES categories and overall site assessment for EWR site 2

River	Jukskei River 1	DWAf Water Quality Monitoring points	
		RC	A2H013 Magalies River at Scheerpoort 2002-2007 (n=205)
EWR Site	EWR2	PES	A2H023 Jukskei River at Nietgedacht 2004-2008 (n=114)
Water Quality Constituents		Value	Category/Comment
Inorganic (mg/L)	MgSO ₄	71.494	F(5)
	Na ₂ SO ₄	26.244	B(1)
	MgCl ₂	0.312	A(0)
	CaCl ₂	20.236	A(0)
Nutrients(mg/L)	NaCl	96.146	B(1)
	PO ₄	0.266	E(4)
	TIN	5.460	E(4)
Physical variables	pH (pH units)	7.1-8.1	B(1)
	Temperature (° C)	Raised temperatures from waste water treatment ponds	D
	Dissolved oxygen (mg/L)	-	D
Response variable	Electrical Conductivity (mS/m)	63	C(2)
	Chl-a: periphyton (mg/m ²)	14.41	D(1)
	Biotic community composition - macro-invertebrate (ASPT) score	3.8– 4.0	E/F
	Fish score	21.4%	E/F
	In-stream toxicity	-	
Toxics	Ammonia (µg/L)	80	D(3)
Overall site ecological category (PAI model)		D	

Table 5.4: Water quality specifications for the Reserve (Quality Ecospecs) at EWR 2: Jukskei River at Heron Bridge School

RIVER	Juskei River	WATER QUALITY MONITORING POINTS			
WQSU	2	DWAQWMS	A2H023 Juskei River at Nietgedacht		
EWR SITE	EWR2	RHP	Currently several monitoring sites		
Confidence in PES assessment		Medium			
Water Quality constituents	PES Category	WQ Ecospecs	Improvement required?	TPC	Monitoring frequency
Inorganic salts (mg/L)	MgSO ₄	<45mg/L		95 th percentile to be<45mg/L	
	Na ₂ SO ₄	<33mg/L		95 th percentile to be<33mg/L	
	MgCl ₂	<15mg/L	N/A	95 th percentile to be<15mg/L	Monthly
	CaCl ₂	<21mg/L		95 th percentile to be<21mg/L	
	NaCl	<191mg/L		95 th percentile to be<191mg/L	
Nutrients (mg/L)	SRP	<0.125mg/L	Yes, to D	50 th percentile to be<0.125mg/L	Monthly
	TIN	<4.0mg/L	Yes, to D	50 th percentile to be<4.0mg/L	Monthly
	pH	5 th percentile(5.9-6.5)95 th percentile (8.0-8.8)	Yes, to natural	5 th percentile(5.9-6.5) 95 th percentile (8.0-8.8)	Monthly
Physical Variables	Temperature	Limited data and is impacted by waste water treatment works and urbanisation.	N/A	Initiate baseline monitoring for this variable.	When Biotic assessments undertaken
	Dissolved oxygen		N/A	5 th percentile to be>6.1mg/L. Initiate Baseline monitoring for this variable.	
	Turbidity (NTU)	Turbid after heavy rains.	N/A	Initiate baseline monitoring for this variable and maintain natural range.	Quarterly
	Electrical conductivity (mS/m)	Category=C.	Allowed	95 th percentile to be<85nS/m	Quarterly
	Chla: periphyton	Category=C. Visual inspection indicates high algal concentrations on rocks and in pools	<84mg/m ² (D category) <15µg/L (D category)	N/A	50 th percentile to be<84mg/m ² 50 th percentile to be<15µg/L
Response variables	Macro-invertebrates (ASPT)	E/F (this study)			
	Fish community score	E/F (this study)			
Toxics	In-stream toxicity	Some toxicity from industry and waste water treatment works	Assess only if the bio-monitoring results indicate there is a serious problem and the cause is unknown. An impact is expected if the 95 th percentile of the data exceeds the Chronic Effects Value (CEV) as stated in DWAF (1996).		
	Ammonia	D	<100ug/L	95 th percentile to be<100ug/L	Monthly

EWR 3: A21J-CROCODILE RIVER, Downstream of the Hartbeespoort Dam

Table 5.5: PES categories and overall site assessment for EWR site 3

River	Crocodile River	DWAF Water Quality Monitoring points
WGSU	5	A2H013 Magalies River at Scheerpoort 2002-2007 (n=205)
EWR Site	EWR3	PES A2H083 Hartbeespoort Dam:d/sWeir2004-2008 (n=113)
WaterQuality Constituents		Category/Comment
Inorganic salts (mg/L)	MgSO ₄	Value 67.562 F(5)
	Na ₂ SO ₄	9.867 A(0)
	MgCl ₂	6.856 A(0)
	CaCl ₂	27.569 B(1)
Nutrients(mg/L)	NaCl	96.462 B(1)
	PO ₄	0.123 E(4)
	TIN	1.594 B(1)
	pH (pH units)	7.51-8.73 B(1)
Physical variables	Temperature (°C)	2 data points C(2)
	Dissolved oxygen (mg/L)	2 data points C/D
	Electrical Conductivity (mS/m)	59.24 C(2)
Response variable	Chl-a: periphyton (mg/m ²)	Visual observations E
	Biotic community composition -macro-invertebrates (ASPT) score	3.8 E
Toxics	Fish score	24.9 E
	In-stream toxicity	-
	Ammonia (mg/L)	139 E(4)
Overall site ecological category		D/E

EWR 4: A23B-PIENAARS RIVER, Downstream of the Rooddeplaat Dam

Table 5.7: PES categories and overall site assessment for EWR site 4

River	Pienaars River	DWA Water Quality Monitoring points	Category/Comment
WQSU	15	RC	A2H013 Magalies River at Scheerpoort 2002-2007 (n=205)
EWR Site	EWR4	PES	A2H006 Pienaars River at Klipdrift 2004-2008 (n=118)
Water Quality Constituents		Value	Category/Comment
Inorganic salts (mg/L)	MgSO ₄	51.250	F(5)
	Na ₂ SO ₄	5.120	A(0)
	MgCl ₂	3.704	A(0)
	CaCl ₂	14.856	A(0)
	NaCl	81.789	B(1)
Nutrients (mg/L)	PO ₄	0.049	B(1)
	TIN	0.442	A(0)
Physical variables	pH (pH units)	7.8-8.4	B(1)
	Temperature (°C)	1 data point	B(1) C(2)
	Dissolved oxygen (mg/L)	5.5 (2 data points)	
Response variable	Electrical Conductivity (mS/m)	57.1	C(2)
	Chl-a: periphyton (mg/m ²)	-	Visual observations
	Biotic community Composition macro-invertebrates (ASPT) score	5.8	C(2)
	Fish score	65.4%	C(2)
	In-stream toxicity	-	
Toxics	Ammonia (µg/L)	20	A(0)
Overall site ecological category		C	

Table 5.8: Water quality specifications for the Reserve (Quality Ecospecs) at EWR 4: Pienaars River downstream of the Roo-deplaat Dam

RIVER	Pienaars River		WATER QUALITY MONITORING POINTS			
	WQSU	15	DWAQWMS	A2H006 Pienaars at Klipdrift weir		
EWR SITE	EWR4		RHP	Currently several monitoring sites		
	Confidence in PES assessment		Medium			
Water Quality constituents	PES Category		WQ Ecospecs	Improvement required?	TPC	Monitoring frequency
Inorganic salts (mg/L)	MgSO ₄		<45mg/L		95 th percentile to be <45mg/L	
	Na ₂ SO ₄		<20mg/L		95 th percentile to be <20mg/L	
	MgCl ₂		<15mg/L	N/A	95 th percentile to be <15mg/L	Monthly
	CaCl ₂		<21mg/L		95 th percentile to be <21mg/L	
	NaCl		<191mg/L		95 th percentile to be <191mg/L	
Nutrients (mg/L)	SRP		<0.015mg/L		50 th percentile to be <0.15mg/L	Monthly
	TIN		<0.25mg/L		50 th percentile to be <0.25mg/L	Monthly
	pH		5 th percentile(5.9-6.5)95 th percentile (8.0-8.8)	Yes, to natural	5 th percentile(5.9-6.5)95 th percentile(8.0-8.8)	Monthly
Physical Variables	Temperature		Limited data and is impacted by waste water treatment works and urbanisation.	N/A	Site is downstream from a dam which will result in fluctuations in temperature and possible biotic response. Biological assessments recommended. Initiate baseline monitoring.	When Biotic assessments undertaken
	Dissolved oxygen		Maintain range	N/A	5 th percentile to be >6.1mg/L. Initiate Baseline monitoring for this variable.	
	Turbidity (NTU)		Moderate change Allowed	N/A	Initiate baseline monitoring for this variable and maintain natural range.	Quarterly
	Electrical conductivity (mS/m)		Category=C	No	95 th percentile to be <85m S/m	Quarterly
	Chla: periphyton		Category =C. Visual inspection indicates high algal concentrations on rocks and in pools	N/A	50 th percentile to be <84mg/m ²	Quarterly
Response variables	Chla: phytoplankton				50 th percentile to be <30µg/L	
	Macro-invertebrates (ASPT)		C (this study)			
Toxics	In-stream toxicity		Some toxicity from industry and waste water treatment works			
	Ammonia		A		95 th percentile to be <15ug/L	Monthly

EWR 5: A23J-PIENAARS RIVER, Downstream of the Klipvoor Dam in Borakalalo National Park

Table 5.9: PES categories and overall site assessment for EWR site 5

River	Pienaars River	DWA Water Quality Monitoring points	
WQSU	17	RC	A2H013Magalies River at Scheerpoort 2002-2007(<i>n</i> =205)
EWR Site	EWR5	PES	A2H021 Pienaars River at Buffelspoort 2004-2008(<i>n</i> =107)
Water Quality Constituents		Value	Category/Comment
Inorganic salts(mg/L)	MgSO ₄	78.335	F(5)
	Na ₂ SO ₄	16.527	A(0)
	MgCl ₂	3.820	A(0)
	CaCl ₂	24.153	B(1)
	NaCl	131.982	B(1)
Nutrients(mg/L)	PO ₄	0.598	B(1)
	TIN	0.250	A(0)
Physical variables	pH(pH units)	7.7-8.7	B(1)
	Temperature (° C)	16(<i>n</i> =1)	Recovers from dam B
	Dissolved oxygen (mg/L)	5.2(<i>n</i> =1)	
	Electrical Conductivity(mS/m)	80.8	C(2)
Response variable	Chl-a: periphyton (mg/m ²)	-	
	Biotic community composition - macro-invertebrate (ASPT) score	5.5	D
	Fish score (FRAI)	51.3%	D
	In-stream toxicity	-	
Toxics	Ammonia (µg/L)	47	B(1)
	Fluoride (µg/L)	600	A(0)
Overall site ecological category		C	

Table 5.10: Water quality specifications for the Reserve (Quality Ecospecs) at EWR 5: Pienaars River downstream of Klipvoor dam

RIVER		Pienaars River		WATER QUALITY MONITORING POINTS			
WQSU	17	DWA/WQWMS	A2H021 Pienaars River at Buffelspoort				
EWR SITE	EWR5	RHP	Currently several monitoring sites				
Confidence in PES assessment							
Water Quality constituents		PES Category	WQ Ecospecs	Improvement required?	TPC	Monitoring frequency	
Inorganic salts (mg/L)	MgSO ₄	Category=D	<45mg/L	N/A	95 th percentile to be<45mg/L	Monthly	
	Na ₂ SO ₄		<20mg/L		95 th percentile to be<20mg/L		
	MgCl ₂		<15mg/L		95 th percentile to be<15mg/L		
	CaCl ₂		<57mg/L		95 th percentile to be<57mg/L		
	NaCl		<191mg/L		95 th percentile to be<191mg/L		
Nutrients (mg/L)	SRP	Category=D	<0.015mg/L		50 th percentile to be<0.015mg/L	Monthly	
	TIN	Category=B	<0.25mg/L		50 th percentile to be<0.25mg/L	Monthly	
	pH	Category=B, Good	5 th percentile(5.9-6.5) 95 th percentile (8.0-8.8)	Yes, to natural	5 th percentile(5.9,6.5) 95 th percentile(8.0-8.8)	Monthly	
Physical Variables	Temperature	Limited data and is impacted by waste water treatment works and urbanisation.	Maintain range	N/A	Site is downstream from a dam which will result in fluctuations in temperature and possible biotic response. Biological assessments recommended. Initiate baseline monitoring.	When Biotic assessments undertaken	
	Dissolved oxygen		7-8mg/L	N/A	5 th percentile to be>6.1mg/L. Initiate Baseline monitoring for this variable.		
	Turbidity (NTU)	Turbid after heavy rains.	Moderate change allowed	N/A	Initiate baseline monitoring for this Variable and maintain natural range.		Quarterly
	Electrical conductivity (mS/m)	Category=C	<85mS/m	No	95 th percentile to be<85mS/m		Quarterly
Response variables	Chla: periphyton	Category=C. Visual inspection indicates high algal concentrations on rocks and in pools	<84mg/m (D ² category)	N/A	50 th percentile to be<84mg/m ²	Quarterly	
	Chla: phytoplankton		<30µg/L (D category)		50 th percentile to be<30µg/L		
	Macro-invertebrates (ASPT)	D (this study)	See Ecospecs for fish and invertebrates respectively				
	Fish community score	D (this study)					
Toxics	In-stream toxicity	Some toxicity from industry and waste water treatment works	Assess only if the bio-monitoring results indicate there is a serious problem and the cause is unknown. An impact is expected if the 95 th percentile of the data exceeds the Chronic Effects Value (CEV) as stated in DWAF (1996).				
	Ammonia	B	<43.75µg/L		95 th percentile to be<43.75µg/L	Monthly	

EWR 6: A22J-HEX RIVER, Upstream of the Vaalkop Dam

Table 5.11: PES categories and overall site assessment for EWR site 6

River	Hex River	DWAF Water Quality Monitoring points
WQSU	9	A2H013 Magalies River at Scheerpoort 2002-2007 (n=205)
EWR Site	EWR6	A2H094BospoortDam d/s weir at Tweedepoort 1999-2004 (n=22) LOW confidence
Water Quality Constituents		Category/Comment
Inorganic salts(mg/L)		Value
	MgSO ₄	133.123 F(5)
	Na ₂ SO ₄	A(0)
	MgCl ₂	33.113 C(2)
	CaCl ₂	110.127 E(4)
	NaCl	170.523 B(1)
Nutrients(mg/L)	PO ₄	0.234 E(4)
	TIN	0.775 A(0)
	pH(pHunits)	7.6-9.1 C(2)
Physical variables	Temperature(°C)	2 data points C(2)
	Dissolved oxygen (mg/L)	3 data points D(3)
	Electrical Conductivity (mS/m)	95.3 D(3)
Response variable	Chl-a: periphyton (mg/m ²)	- Visual observations
	Biotic community composition- macro-invertebrate (ASPT) score	4.6 E
Toxics	Fish score (FRAI)	49.1% D
	In-stream toxicity	-
	Ammonia (µg/L)	138 E(4)
Overall site ecological category	Fluoride (µg/L)	300 A(0)
		D

Table 5.12: Water quality specifications for the Reserve (Quality Ecospecs) at EWR 6: Hex River upstream of the Vaalkop Dam

RIVER	WATER QUALITY MONITORING POINTS		
	Hex River	DWAQWMS	A2H094 Bospoort Dam downstream weir
WQSU	9		
EWR SITE	EWR6	RHP	Currently several monitoring sites
Confidence in PES assessment			
	Medium		
Water Quality constituents	PES Category	WQ Ecospecs	Improvement required?
Inorganic salts (mg/L)		<45mg/L	95 th percentile to be <45mg/L
		<20mg/L	95 th percentile to be <20mg/L
		<36mg/L	95 th percentile to be <36mg/L
		<141mg/L	95 th percentile to be <141mg/L
		<191mg/L	95 th percentile to be <191mg/L
Nutrients (mg/L)	Category=E	<0.125mg/L	Yes, to D
	Category=C	<0.25mg/L	50 th percentile to be <0.125mg/L
pH	Category=C, moderate	5 th percentile (5.6-5.9)	50 th percentile to be <25mg/L
		95 th percentile (8.8-9.2)	5 th percentile (5.6-5.9) 95 th percentile (8.8-9.2)
Physical Variables	Limited data and is impacted by waste water treatment works and urbanisation.	Maintain range	N/A
	Dissolved oxygen	7-8mg/L	N/A
	Turbidity (NTU)	Moderate change allowed	N/A
	Electrical conductivity (mS/m)	<85mS/m	Yes, to C
	Chla: periphyton	<84mg/m (D ² category)	5 th percentile to be <6.1mg/L. Initiate baseline monitoring for this variable.
Response variables	Chla: phytoplankton	<30µg/L (D category)	Initiate baseline monitoring for this variable and maintain natural range.
	Macro-invertebrates (ASPT)		95 th percentile to be <85mS/m
	Fish community score		50 th percentile to be <84mg/m ²
	In-stream toxicity		50 th percentile to be <30µg/L
	Ammonia		
See Ecospecs for fish and invertebrates respectively			
Assess only if the biomonitoring results indicate there is a serious problem and the cause is unknown. An impact is expected if the 95 th percentile of the data exceeds the Chronic Effects Value (CEV) as stated in DWAF (1996).			
Toxics	E	<129µg/L	Yes to D
			95 th percentile to be <129µg/L
			Monthly

EWR 7: A24C-CROCODILE RIVER, Upstream of the confluence with the Bierspruit River

Table 5.13: PES categories and overall site assessment for EWR site 7

River	Crocodile River	DWA Water Quality Monitoring points	
WQSU	21	RC	A2H013 Magalies River at Scheerpoort 2004-2007 (n=205)
EWR Site	EWR7	PES	A2H060 Crocodile River at Nootgedacht 2004-2008 (n=113)
Water Quality Constituents		Value	Category/Comment
Inorganic salts (mg/L)	MgSO ₄	112.138	F(5)
	Na ₂ SO ₄	12.102	A(0)
	MgCl ₂	1.507	A(0)
	CaCl ₂	20.658	A(0)
	NaCl	187.768	B(1)
Nutrients (mg/L)	PO ₄	0.243	E(4)
	TIN	0.302	A(0)
Physical variables	pH(pH units)	7.8-8.5	B(1)
	Temperature (° C)	Raised temp due to lower and shallower flows	
	Dissolved oxygen (mg/L)	As above	D(3)
Response variable	Electrical Conductivity (mS/m)	92.3	D(3)
	Chl-a: periphyton (mg/m ²)	-	Algal growth on sand (visual observation)
	Biotic community composition -macro-invertebrates (ASPT) score	4.6	C
	Fish score (FRAI)	46.2%	D
Toxics	In-stream toxicity	-	
	Ammonia (µg/L)	20	B (1)
Overall site ecological category		D	

Table 5.14: Water quality specifications for the Reserve (Quality Ecospecs) at EWR 7: Crocodile River upstream of confluence with Bierspruit River

RIVER	Crocodile (West) River		WATER QUALITY MONITORING POINTS	
WQSU	21	DWAWQWMS	A2H060 Crocodile River at Nootgedacht	
EWR SITE	EWR7	RHP	Currently several monitoring sites	
Confidence in PES assessment		Medium		
Water Quality constituents	PES Category	WQEcospecs	Improvement required?	TPC
	MgSO ₄	<45mg/L		95 th percentile to be <45mg/L
	Na ₂ SO ₄	<20mg/L		95 th percentile to be <20mg/L
	MgCl ₂	<15mg/L	N/A	95 th percentile to be <15mg/L
	CaCl ₂	<21mg/L		95 th percentile to be <21mg/L
Nutrients (mg/L)	NaCl	<191 mg/L		95 th percentile to be <191mg/L
	SRP	<0.125mg/L	Yes, to D	50 th percentile to be <0.125mg/L
	TIN	<0.25mg/L		50 th percentile to be <0.25mg/L
	pH	5 th percentile (5.9-6.5) 6.5/95 th percentile (8.0-8.8)	N/A	5 th percentile (5.9-6.5) 95 th percentile (8.0-8.8)
Physical Variables	Limited data and is impacted by waste water treatment works and urbanisation.	Maintain range	N/A	Initiate baseline monitoring for this variable.
	Dissolved oxygen	7-8mg/L	N/A	5 th percentile to be>6.1mg/L. Initiate baseline monitoring for this variable.
	Turbidity (NTU)	Moderate change allowed	N/A	Initiate baseline monitoring for this Variable and maintain natural range.
	Electrical conductivity (mS/m)	Category=D	Yes, to C	95 th percentile to be<85mS/m
		Category =C. Visual inspection indicates high algal concentrations on rocks and in pools		50 th percentile to be<84mg/m ²
Response variables	Chla: periphyton	(D category)	N/A	50 th percentile to be<30µg/L
	Chla: phytoplankton	<30µg/L (D category)		
	Macro-invertebrates (ASPT)			
Toxics	Fish community score	E (this study)	See Ecospecs for fish and invertebrates respectively	
		D (this study)		
	Assess only if the biomonitoring results indicate there is a serious problem and the cause is unknown. An impact is expected if the 95 th percentile of the data exceeds the Chronic Effects Value (CEV) as stated in DWAF (1996).			
Toxics	Ammonia	B	Yes to D	95 th percentile to be<44ug/L
				Monthly

EWR 8: A24J-CROCODILE RIVER, Downstream of the confluence with the Bierspruit River

Table 5.15: PES categories and overall site assessment for EWR site 8

River	Crocodile River	DWA Water Quality Monitoring points	
WQSU	24	RC	A2H013 Magalies River at Scheerpoort 2002-2007(n=205)
EWR Site	EWR8	PES	A2H116 Haakdoordrift/s weir Paul Hugo Dam 2003-2008(n=104)
Water Quality Constituents		Value	Category/Comment
Inorganic salts (mg/L)	MgSO ₄	113.147	F(5)
	Na ₂ SO ₄	10.358	A(0)
	MgCl ₂	2.622	A(0)
	CaCl ₂	38.530	B(1)
Nutrients (mg/L)	NaCl	180.659	B(1)
	PO ₄	0.107	D(3)
	TIN	0.187	A(0)
	pH (pH units)	7.7-8.6	B(1)
Physical variables	Temperature (°C)	1record	B(1)
	Dissolved oxygen (mg/L)	1record	
Response variable	Electrical Conductivity (mS/m)	91	D(3)
	Chl-a: periphyton (mg/m ²)	-	Visual observation: no algae
	Biotic community composition-macro-invertebrates (ASPT) score	4.39	C
	Fish score (FRAI)	54.7%	C/D
	In-stream toxicity	-	
Toxics	Ammonia (µg/L)	25	B(1)
Overall site ecological category		C/D	

Table 5.16: Water quality specifications for the Reserve (Quality Ecospecs) at EWR 8: Crocodile River downstream of confluence with Bierspruit

RIVER	Crocodile(West)River		WATERQUALITYMONITORINGPOINTS			
WQSU	24	DWAWQWMS	A2H116 Crocodile River at Haakdooringdrift downstream weir			
EWRSITE	EWR8	RHP	Currently several monitoring sites			
Confidence in PES assessment						
Water Quality constituents		PES Category	WQ Ecospecs	Improvement required?	TPC	Monitoring frequency
Inorganic salts (mg/L)	MgSO ₄		<45mg/L		95 th percentile to be<45mg/L	
	Na ₂ SO ₄		<20mg/L		95 th percentile to be<20mg/L	
	MgCl ₂		<15mg/L	N/A	95 th percentile to be<15mg/L	Monthly
	CaCl ₂		<57mg/L		95 th percentile to be<57mg/L	
Nutrients (mg/L)	NaCl		<191mg/L		95 th percentile to be<191mg/L	
	SRP	Category=D	<0.125mg/L	Yes, to C	50 th percentile to be<0.125mg/L	Monthly
	TIN	Category=A	<0.25mg/L		50 th percentile to be<0.25mg/L	Monthly
	pH	Category=B, Good	5 th percentile(5.9-6.5)95 th percentile (8.0-8.8)	N/A	3 th percentile (5.9-6.5) 4 th 95 th percentile(8.0-8.8)	Monthly
Physical Variables	Temperature	Limited data and is impacted by waste water treatment works and urbanisation.	Maintain range	N/A	Initiate baseline monitoring for this variable.	When Biotic assessments undertaken
	Dissolved oxygen		7-8mg/L	N/A	5 th percentile to be>6.1mg/L. Initiate Baseline monitoring for this variable.	
	Turbidity (NTU)	Turbid after heavy rains.	Moderate change allowed	N/A	Initiate baseline monitoring for this Variable and maintain natural range.	Quarterly
	Electrical conductivity (mS/m)	Category=D	<85mS/m	Yes, to C	95 th percentile to be<85mS/m	Quarterly
Response variables	Chla: periphyton	Category=C.	<84mg/m ² (D category)		50 th percentile to be<84mg/m ²	Quarterly
	Chla: phytoplankton	Visual inspection indicates high algal concentrations on rocks and in pools	<30µg/L (D category)	N/A	50 th percentile to be<30µg/L	
	Macro-invertebrates (ASPT)	E (this study)				
	Fish community score	C/D (this study)				
See Ecospecs for fish and invertebrates respectively						
Toxics	In-stream toxicity	Some toxicity from industry and waste water treatment works			Assess only if the biomonitoring results indicate there is a serious problem and the cause is unknown. An impact is expected if the 95 th percentile of the data exceeds the Chronic Effects Value (CEV) as stated in DWAF (1996).	
	Ammonia	B	<44µg/L	Yes to D	95 th percentile to be<44µg/L	Monthly

MAR EWR1: A31A-Kaaloog se Loop, below the gorge, before confluence with Marico River

Table 5.17: PES categories and overall site assessment for Mar EWR site 1

River	Kaaloog se Loop	Water Quality Monitoring points	
WQSU	1	RC	A2H036 Steenbokfontein on Koster River 2003-2007 (n=97)
EWR Site	MAR EWR 1	PES	188041 Rietspruit at Bridge on Kaaloog se Loop 2004-2008 (n=9)
Water Quality Constituents		PES Value	Category/Comment
Inorganic salts(mg/L)	MgSO ₄	14.765	Insufficient data to run TEACHA effectively. EC can be used as an indication of inorganic salts for PAI
	Na ₂ SO ₄	0	
	MgCl ₂	3.015	
	CaCl ₂	4.978	
	NaCl	8.717	
Nutrients(mg/L)	PO ₄	0.016	B (1)
	TIN	0.090	A (0)
Physical variables	pH (5 th -95 th %)	7.32-7.98	B (1)
	Temperature (°C)	8.15-8.45	A/B (0.5)
	Dissolved oxygen (mg/L)	9.95-19.44	A/B (0.5)
	Electrical Conductivity (mS/m)	4.65-13.32	B (1)
Response variable	Chl-a: periphyton (mg/m ²)	31.06	A/B
	Macro-invertebrates	5.8	
	Fish community score	86.3	
	In-stream toxicity		
Toxics	Ammonia (µg/L)	0.003	A(0)
	Fluoride (µg/L)	0.20	B(1)
Overall site ecological category		A/B	

Table 5.18: Water quality specifications for the Reserve (Quality Ecospecs) at MAR EWR 1Kaaloo se Loop River

RIVER	Kaaloo se Loop River			WATER QUALITY MONITORING POINTS		
WQSU	1	DWAQWMS	188041 Rietspruit at bridge on Kaaloo se Loop 2004-2008 (n=9)			
EWR SITE	EWR1	RHP	Currently several monitoring sites			
Confidence in PES assessment				Low		
Water Quality constituents	PES Category	WQ Ecospecs	Improvement required?	TPC	Monitoring frequency	
Inorganic salts (mg/L)	Insufficient data to run TEACHA effectively. EC can be used as an indication of inorganic salts for PAI	≤23mg/L		95 th percentile to be<23mg/L	Monthly	
		≤33mg/L	N/A	95 th percentile to be<33mg/L		
		≤30mg/L		95 th percentile to be<30mg/L		
		≤57mg/L		95 th percentile to be<57mg/L		
		≤191mg/L		95 th percentile to be<191mg/L		
Nutrients (mg/L)	Category=B	<0.015mg/L	No	50 th percentile to be<0.015mg/L	Monthly	
	Category=A	<0.75mg/L	No	50 th percentile to be<0.75mg/L	Monthly	
	Neutral river	>6.5 and <8.8	No	95 th percentile to be<8.8 and >6.5	Monthly	
Physical Variables	Limited data and is not impacted upstream	Maintain range	N/A	Maintain natural range	Monthly	
	Dissolved oxygen	7-8mg/L	N/A	5 th percentile to be>7mg/L.	Monthly	
	Turbidity (NTU)	Moderate change allowed	N/A	Moderate change allowed	Monthly	
	Electrical conductivity (mS/m)	Category=B	≤55mS/m	No	95 th percentile to be<55mS/m	Quarterly
	Chla: periphyton	Visual inspection indicates limited algal concentrations on rocks and in pools	≤1.7mg/m (A category)	N/A	50 th percentile to be<1.7mg/m ²	Quarterly
Response variables	Chla: phytoplankton	≤10µg/L (A category)		50 th percentile to be<10µg/L		
	Macro-invertebrates (ASPT)	See Ecospecs for fish and invertebrates respectively				
	Fish community score	Assess only if the biomonitoring results indicate there is a serious problem and the cause is unknown.				
	In-stream toxicity					
Toxics	Ammonia	A	≤15ug/L	95 th percentile to be<15ug/L	Monthly	

MAR EWR2: A31B-Groot Marico River Upstream confluence of the Sterkstroom

Table 5.19: PES categories and overall site assessment for Mar EWR site 2

River	Groot Marico	Water Quality Monitoring points
WQSU	1	RC A2H036 Steenbokfontein on Koster River 2003-2007 (n=97)
EWR Site	MAR EWR 2	PES 188035 Koedoesfontein on Groot-Marico River 2004-2008 (n=9)
Water Quality Constituents		Category/Comment
Inorganic salts (mg/L)	MgSO ₄	Insufficient data to run TEACHA effectively. EC can be used as an indication of inorganic salts for PAI
	Na ₂ SO ₄	
	MgCl ₂	
	CaCl ₂	
	NaCl	
Nutrients (mg/L)	PO ₄	B(1)
	TIN	
	pH (5 th -95 th %)	
Physical variables	Temperature (°C)	A(0)
	Dissolved oxygen (mg/L)	B(1)
	Electrical Conductivity (mS/m)	B(1)
	Chl-a: periphyton (mg/m ²)	B(1)
Response variable	Macro-invertebrates	A/B
	Fish community score	
	In-stream toxicity	
	Fluoride (µg/L)	
Toxics	Fluoride (µg/L)	A(0)
Overall site ecological category		B

Table 5.20: Water quality specifications for the Reserve (Quality Ecospecs) at MAR EWR 2

RIVER	Marico	WATER QUALITY MONITORING POINTS					
WQSU	1	DWAQWMS	188035 Koedoesfontein on Groot-Marico River 2004-2008 (n=9)				
EWR SITE	MAR EWR2	RHP	Currently several monitoring sites				
Confidence in PES assessment		Low					
Inorganic salts (mg/L)	Water Quality constituents	PES Category	WQ Ecospecs	Improvement required?	TPC	Monitoring frequency	
Nutrients (mg/L)		Insufficient data to run TEACHA effectively. EC can be used as an indication of inorganic salts for PAI	MgSO ₄	≤23mg/L	N/A	95 th percentile to be<23mg/L	Monthly
			Na ₂ SO ₄	≤33mg/L		95 th percentile to be<33mg/L	
			MgCl ₂	≤30mg/L		95 th percentile to be<30mg/L	
			CaCl ₂	≤57mg/L		95 th percentile to be<57mg/L	
			NaCl	≤191mg/L		95 th percentile to be<191mg/L	
Physical Variables		Category= B	SRP	<0.015mg/L	No	50 th percentile to be<0.015mg/L	Monthly
			TIN	Category=A	No	50 th percentile to be<0.75mg/L	Monthly
			pH	Neutral river	No	95 th percentile to be<8.8 and >6.5	Monthly
			Temperature	Limited data and is not impacted by upstream activities	N/A	Maintain natural range	Monthly
			Dissolved oxygen	Turbid after heavy rains due to upstream slate mining	N/A	7-8mg/L	5 th percentile to be>7mg/L.
Response variables		Category= B	Turbidity (NTU)	Moderate change allowed	N/A	Moderate change allowed	Monthly
			Electrical conductivity (mS/m)	≤55mS/m	No	95 th percentile to be<55mS/m	Quarterly
			Chla: periphyton	Visual inspection indicates limited algal concentrations on rocks and in pools	N/A	50 th percentile to be<1.7mg/m ²	Quarterly
			Chla: phytoplankton	≤10µg/L (A category)	50 th percentile to be<10µg/L		
			Macro-invertebrates (ASPT)	≤10µg/L (A category)			
Toxics	Ammonia	A	See Ecospecs for fish and invertebrates respectively				Assess only if the biomonitoring results indicate there is a serious problem and the cause is unknown.
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MAR EWR3: A31F-Groot Marico River downstream of Marico Bosveld Dam

Table 5.21: PES categories and overall site assessment for Mar EWR site 3

River	Groot Marico	Water Quality Monitoring points	Category/Comment
WQSU	3	RC A2H036 Steenbokfontein on Koster River 2003-2007 (n=97)	
EWR Site	MAR EWR 3	PES A3H028 Riekersdam on left canal from Marico-Bosveld Dam 2002-2007 (n=141)	
Water Quality Constituents		RC Value	PES Value
Inorganic salts (mg/L)	MgSO ₄	14.765	17.112
	Na ₂ SO ₄	0	0
	MgCl ₂	3.015	3.7
	CaCl ₂	4.978	4.226
	NaCl	8.717	5.603
Nutrients (mg/L)	PO ₄	0.016	0.023
	TIN	0.090	0.12
Physical variables	pH (5 th -95 th %)	7.32-7.98	7.795-8.445
	Temperature (°C)		12.7-24.3
	Dissolved oxygen (mg/L)		2.29-8.33
	Electrical Conductivity (mS/m)	16.58	37.3
Response variable	Chl-a: periphyton (mg/m ²)		
	Macro-invertebrates		5.3
	Fish community score		35
	In-stream toxicity		
Toxics	Ammonia (µg/L)	0.003	32
	Fluoride (µg/L)	0.20	0.2
Overall site ecological category		B/C	

Table 5.22: Water quality specifications for the Reserve (Quality Ecospecs) at MAR EWR 3

RIVER	Marico	WATER QUALITY MONITORING POINTS				
WQSU	3	DWA/QWMS	A3H028 Riekersdam on left canal from Marico-Bosveld Dam 2002-2007 (n=141)			
EWR SITE	MAR EWR3	RHP	Currently several monitoring sites			
Confidence in PES assessment		Medium				
Water Quality constituents		PES Category	WQ Ecospecs	Improvement required?	TPC	Monitoring frequency
Inorganic salts (mg/L)	MgSO ₄	A/B	≤23mg/L		95 th percentile to be<23mg/L	Monthly
	Na ₂ SO ₄		≤20mg/L	N/A	95 th percentile to be<20mg/L	
	MgCl ₂		≤15mg/L		95 th percentile to be<15mg/L	
	CaCl ₂		≤21mg/L		95 th percentile to be<21mg/L	
	NaCl		≤45mg/L		95 th percentile to be<45mg/L	
Nutrients (mg/L)	SRP	Category= C	<0.015mg/L	Yes to D	50 th percentile to be<0.025mg/L	Monthly
	TIN	Category=B	<0.75mg/L	Yes to D	50 th percentile to be<0.7mg/L	Monthly
Physical Variables	pH	Good	>6.5 and <8.8	No	95 th percentile to be<8.8 and >6.5	Monthly
	Temperature	Limited data and is impacted by Marico Bosveld Dam	Maintain range	N/A	Maintain natural range	Monthly
	Dissolved oxygen		7-8mg/L	N/A	5 th percentile to be>7mg/L.	Monthly
	Turbidity (NTU)	Turbid after heavy rains due to upstream slate mining	Moderate change allowed	N/A	Moderate change allowed	Monthly
	Electrical conductivity (mS/m)	Category= B	≤55mS/m	No	95 th percentile to be<85mS/m	Quarterly
	Chla: periphyton	Category=C. Visual inspection indicates high algal concentrations on rocks and in pools due to upstream agricultural runoff	≤84mg/m ² (D category)	N/A	50 th percentile to be<84mg/m ²	Quarterly
	Chla: phytoplankton		≤30µg/L (D category)		50 th percentile to be<30µg/L	
Response variables	Macro-invertebrates (ASPT)	C (this study)	See Ecospecs for fish and invertebrates respectively			
	Fish community score	D (this study)				
Toxics	In-stream toxicity	Some toxicity from agricultural runoff upstream	Assess only if the biomonitoring results indicate there is a serious problem and the cause is unknown.			
	Ammonia	B	≤43.7ug/L	Yes to D	95 th percentile to be<43.7ug/L	Monthly

MAR EWR4: A32D-Groot Marico River downstream Tswasa weir, in the Madikwe Game Reserve

Table 5.23: PES categories and overall site assessment for Mar EWR site 4

River	Groot Marico	Water Quality Monitoring points			Category/Comment
WQSU	9	RC	A2H036 Steenbokfontein on Koster River 2003-2007 (n=97)		
EWR Site	MAR EWR 4	PES	A3H040 Marico River at Moolplaats/Tswasa weir 2002-2007 (n=181)		
Water Quality Constituents		RC Value	PES Value		
Inorganic salts (mg/L)	MgSO ₄	14.765	32.787	D(3)	
	Na ₂ SO ₄	0	0	A(0)	
	MgCl ₂	3.015	5.949	A(0)	
	CaCl ₂	4.978	5.903	A(0)	
	NaCl	8.717	8.698	A(0)	
Nutrients (mg/L)	PO ₄	0.016	0.018	B/C(1.5)	
	TIN	0.090	0.08	B(1)	
Physical variables	pH (5 th -95 th %)	7.32-7.98	8.025-8.524	B(1)	
	Temperature (°C)		14.5-26.5	B(1)	
	Dissolved oxygen (mg/L)		5.5-11.4	B(1)	
	Electrical Conductivity (mS/m)	16.58	54.2	B(1)	
Response variable	Chl-a: periphyton (mg/m ²)				
	Macro-invertebrates		4.5	C	
	Fish community score		61.8	C/D	
	In-stream toxicity				
Toxics	Ammonia (µg/L)	0.003	0.003	A(0)	
	Fluoride (µg/L)	0.20	0.6	A(0)	
Overall site ecological category			B		

Table 5.24: Water quality specifications for the Reserve (Quality Ecospecs) at MAR EWR 4

RIVER	Marico	WATER QUALITY MONITORING POINTS		
		DWAQWMS	A3H040 Marico River at Mooiplaats/Tzwasa weir 2002-2007 (n=181)	
EWRSITE	MAR EWR4	RHP	Currently several monitoring sites	
Confidence in PES assessment		Medium		
Water Quality constituents		PES Category	WQ Ecospecs	Improvement required?
Inorganic salts (mg/L)	MgSO ₄	A/B	≤15mg/L	N/A
	Na ₂ SO ₄		≤20mg/L	
	MgCl ₂		≤15mg/L	
	CaCl ₂		≤21mg/L	
	NaCl		≤45mg/L	
Nutrients (mg/L)	SRP	Category=B/C	≤0.125mg/L	Yes to D
	TIN	Category=A	≤0.25mg/L	Yes to D
	pH	Category=B, Good	>5.9 and <8.8	No
Physical Variables	Temperature	Limited data and is impacted by upstream impoundments	Maintain range	N/A
	Dissolved oxygen		7-8mg/L	N/A
	Turbidity (NTU)	Turbid after heavy rains	Moderate change allowed	N/A
	Electrical conductivity (mS/m)	Category= B	≤55mS/m	No
	Chla: periphyton	Visual inspection indicates low algal concentrations on rocks and in pools	≤12mg/m ² (B category)	N/A
Response variables	Chla: phytoplankton		≤15µg/L (B category)	
	Macro-invertebrates (ASPT)	C (this study)	See Ecospecs for fish and invertebrates respectively	
	Fish community score	C/D (this study)		
	In-stream toxicity	Limited toxicity from upstream urbanisation, waste water treatment works and agricultural runoff	Assess only if the biomonitoring results indicate there is a serious problem and the cause is unknown.	
Toxics	Ammonia	A	≤15µg/L	95 th percentile to be <15µg/L
				Monthly

6. GROUNDWATER - QUANTITY COMPONENT

Table 6.1: Groundwater Resource Directed Measures (GRDM) Template

Quaternary Catchment	Area(km ²)	Recharge (Mm ³ /a)	Population (Water Services) 2011)	Baseflow (Mm ³ /a)	MLF_EWR (Mm ³ /a)	BHN Reserve (Mm ³ /a)	Reserve (Mm ³ /a)	Reserve as % of Recharge	Current Groundwater Use (Mm ³ /a)	Stress Index
A10A	559	8.81	49366	0.00	0.35	0.45	0.80	9.08	1.37	0.16
A10B	1015	12.56	25432	0.00	0.85	0.23	1.08	8.60	1.32	0.11
A10C	271	3.58	4099	0.00	0.19	0.04	0.23	6.42	0.85	0.24
A21A	483	27.641	151332	0.54	2.51	1.38	3.89	14.08	20.35	0.74
A21B	527	30.215	758882	0.32	1.60	6.92	8.52	28.21	11.58	0.38
A21C	761	18.684	545170	1.04	5.90	4.97	10.87	58.20	1.17	0.06
A21D	372	19.655	210207	1.51	4.20	1.92	6.12	31.13	11.53	0.59
A21E	290	9.207	15659	0.41	2.49	0.14	2.63	28.60	0.77	0.08
A21F	1,000	47.399	9362	1.26	3.10	0.09	3.19	6.72	33.62	0.71
A21G	161	6.238	110652	1.74	5.23	1.01	6.24	100.03	0.49	0.08
A21H	514	20.892	45327	2.56	3.67	0.41	4.08	19.55	3.23	0.15
A21J	1,150	29.893	133204	0.29	2.02	1.22	3.24	10.82	14.10	0.47
A21K	864	23.279	88100	1.51	2.87	0.80	3.67	15.78	13.54	0.58
A21L	213	4.497	43	0.16	0.19	0.00	0.19	4.23	0.61	0.14
A22A	706	21.318	40641	0.35	1.20	0.37	1.57	7.37	1.87	0.09
A22B	284	9.365	40288	0.19	0.66	0.37	1.03	10.97	1.80	0.19
A22C	515	17.303	40288	0.00	1.30	0.37	1.67	9.64	1.03	0.06
A22D	541	14.177	40288	0.10	0.60	0.37	0.97	6.83	4.02	0.28
A22E	812	19.386	6427	0.16	1.41	0.06	1.47	7.58	1.90	0.10
A22F	1,688	35.691	130476	0.95	2.25	1.19	3.44	9.64	4.02	0.11
A22G	499	17.989	846	0.35	1.00	0.01	1.01	5.60	1.46	0.08
A22H	579	15.612	230416	0.06	0.36	2.10	2.46	15.77	6.16	0.39
A22J	592	8.518	39935	0.22	0.81	0.36	1.17	13.79	2.20	0.26
A23A	682	28.30	391615	13.45	4.10	3.57	7.67	27.10	12.77	0.45
A23B	814	10.502	36522	0.28	2.00	0.33	2.33	22.22	1.45	0.14
A23C	491	6.2	2308	0.10	0.74	0.02	0.76	12.28	0.79	0.13
A23D	252	18.726	125166	1.77	2.43	1.14	3.57	19.08	13.73	0.73
A23E	490	6.28	75096	0.06	1.51	0.69	2.20	34.96	3.10	0.49
A23F	565	6.476	361907	0.28	0.69	3.30	3.99	61.65	0.74	0.11
A23G	951	20.58	75670	0.82	0.82	0.69	1.51	7.34	10.89	0.53
A23H	1,058	28.124	14570	0.13	2.20	0.13	2.33	8.30	2.59	0.09
A23J	930	6.782	647955	0.82	1.56	5.91	7.47	110.18	0.43	0.06
A23K	1,131	10.964	452332	0.13	1.20	4.13	5.33	48.59	0.50	0.05
A23L	329	3.074	4423	0.35	0.60	0.04	0.64	20.83	0.62	0.20

Quaternary Catchment	Area (km ²)	Recharge (Mm ³ /a)	Population (Water Services) 2011	Baseflow (Mm ³ /a)	MLF_EWR (Mm ³ /a)	BHN Reserve (Mm ³ /a)	Reserve (Mm ³ /a)	Reserve as % of Recharge	Current Groundwater Use (Mm ³ /a)	Stress Index
A24A	493	5.73	8153	0.92	0.95	0.07	1.02	17.88	2.91	0.51
A24B	709	18.594	732	0.22	1.10	0.01	1.11	5.95	1.05	0.06
A24C	801	20.297	25539	0.13	0.07	0.23	0.30	1.49	11.18	0.55
A24D	1,327	20.547	50853	0.00	1.43	0.46	1.89	9.22	1.46	0.07
A24E	688	10.585	42926	0.00	0.73	0.39	1.12	10.60	0.01	0.00
A24F	591	12.09	25539	0.00	0.68	0.23	0.91	7.55	6.04	0.50
A24G	735	24.662	25539	0.35	2.12	0.23	2.35	9.54	0.36	0.01
A24H	1,338	37.309	56281	1.86	1.35	0.51	1.86	4.99	4.21	0.11
A24J	2,516	35.192	3778	0.60	1.71	0.03	1.74	4.96	39.50	1.12
A31A	632	16.878	9106	6.00	1.83	0.08	1.91	11.33	3.64	0.22
A31B	596	15.928	1390	6.00	3.02	0.01	3.03	19.04	2.68	0.17
A31C	485	15.045	2597	1.00	0.32	0.02	0.34	2.28	3.77	0.25
A31D	704	20.906	15615	1.00	0.55	0.14	0.69	3.31	3.42	0.16
A31E	601	17.336	936	2.00	1.25	0.01	1.26	7.26	0.81	0.09
A31F	702	22.388	24060	2.00	0.90	0.22	1.12	5.00	2.13	0.10
A31G	1,425	24.094	46990	4.00	3.17	0.43	3.60	14.94	0.67	0.03
A31H	684	15.299	32553	0.00	0.64	0.30	0.94	6.12	0.45	0.03
A31J	844	18.52	536	0.00	0.31	0.00	0.31	1.70	0.27	0.01
A32A	472	5.425	9952	0.00	0.18	0.09	0.27	4.99	0.04	0.01
A32B	641	14.587	5439	0.00	0.47	0.05	0.52	3.56	0.05	0.00
A32C	902	17.582	77	0.00	0.59	0.00	0.59	3.36	0.00	0.00
A32D	843	14.373	1538	0.00	0.59	0.01	0.60	4.20	0.13	0.01
A32E	2,499	15.775	2776	0.00	1.66	0.03	1.69	10.68	0.60	0.04

7. GROUNDWATER - QUALITY COMPONENT

Groundwater quality per quaternary catchment was determined from the data sets obtained from the Water Management System of the Department of Water and Sanitation. Groundwater quality was defined by the water quality specifications in Table 7.1 below.

Table 7.1: Water Quality Specifications

Chemical Parameter	Target Water Quality Ranges ¹			
	Class 0	Class I	Class II	Class III
pH	6 – 9	5 – 6 & 9 – 9.5	4 – 5 & 9.5 – 10	<4 & > 10
Electrical Conductivity	< 70	70 - 150	150 – 370	> 370
Calcium as Ca	< 80	80 - 150	150 – 300	> 300
Magnesium as Mg	< 70	70 - 100	100 – 200	> 200
Sodium as Na	< 100	100 - 200	200 – 400	> 400
Chloride as Cl	< 100	100 - 200	200 – 600	> 600
Sulphate as SO ₄	< 200	200 - 400	400 – 600	> 600
Nitrate as NO ₃ -N	< 6	6 - 10	10 – 20	> 20
Fluoride as F	<0.7	0.7 – 1.0	1.0 – 1.5	> 1.5

¹⁾ Ref: *Quality of Domestic Water Supplies, Volume 1: Assessment Guide, 2nd Ed.1998*. Water Research Commission Report No: TT 101/98. Pretoria, South Africa.

NOTE:

- Class 0** This is ideal water quality, suitable for lifetime use, with no adverse health effects on the user. This class is essentially the same as the target water quality range in the 2nd edition of the *South African Water Quality Guidelines for Domestic Use* (DWAf, 1996).
- Class I** Water in this class is safe for lifetime use, but falls short of the ideal water quality in that there may be instances of adverse health effects, but these are usually mild, and overt health effects are almost sub-clinical and difficult to demonstrate. Water in Class I does not cause health effects under normal circumstances. Aesthetic effects may, however, be apparent.
- Class II** Water in this class is defined as that where adverse health effects are unusual for limited short-term use. Adverse health effects may become more common particularly with prolonged use over many years, or with lifetime use. This class represents water suitable for short-term or emergency use only, but not necessarily suitable for continuous use over a lifetime.
- Class III** This water has constituents in a concentration range where serious health effects might be anticipated, particularly in infants or elderly people with short-term use, and even more so with longer term use. The water in this class is not suitable for use as drinking water without adequate treatment to shift the water into a lower and safer class.

Table 7.2: Groundwater quality per Quaternary Catchment

Chemical Parameter	Unit	Quaternary Catchments A21A, A21B, A21C & A21D											
		No. of Samples				Ambient GW quality or median ¹				BHN Reserve ²	Groundwater Quality Reserve ³		
		A21A	A21B	A21C	A21D	A21A	A21B	A21C	A21D		A21A	A21B	A21C
pH		377	227	1510	635	7.75	7.60	6.54	7.23	5.0 – 9.5	6.98 – 8.53	6.84 – 8.36	5.89 – 7.19
Electrical Conductivity	mS/m	383	227	1501	638	25.80	51.00	198.00	66.00	<150	28.38	56.10	198.00
Calcium as Ca	mg/l	344	227	1294	635	25.40	47.00	198.40	59.00	<150	27.94	51.70	198.40
Magnesium as Mg	mg/l	344	227	1295	635	15.10	31.00	94.90	28.00	<100	16.61	34.10	100.00
Sodium as Na	mg/l	344	227	1294	638	3.00	10.00	87.30	25.00	<200	3.30	11.00	96.03
Chloride as Cl	mg/l	344	227	1331	638	3.60	12.00	70.00	14.00	<200	3.96	13.20	77.00
Sulphate as SO ₄	mg/l	344	227	1452	629	4.50	13.00	460.00	154.00	<400	4.95	14.30	460.00
Nitrate as NO ₃ -N	mg/l	343	227	1316	578	0.80	2.30	71.90	2.30	<10	0.88	2.53	71.90
Fluoride as F	mg/l	344	227	520	578	0.12	0.14	0.70	0.05	<1.0	0.13	0.15	0.77
Chemical Parameter	Unit	Quaternary Catchments A21E, A21F, A21G & A21H											
		No. of Samples				Ambient GW quality or median ¹				BHN Reserve ²	Groundwater Quality Reserve ³		
		A21E	A21F	A21G	A21H	A21E	A21F	A21G	A21H		A21E	A21F	A21G
pH		3	307	118	7	6.70	7.58	8.24	7.90	5.0 – 9.5	6.03 – 7.37	6.82 – 8.34	7.42 – 9.06
Electrical Conductivity	mS/m	3	324	126	7	20.10	25.60	37.00	47.10	<150	22.11	28.16	40.70
Calcium as Ca	mg/l	3	311	116	4	10.83	25.40	39.80	27.72	<150	11.92	27.94	43.78
Magnesium as Mg	mg/l	3	311	116	4	4.30	15.80	24.00	22.10	<100	4.73	17.38	26.40
Sodium as Na	mg/l	3	311	116	4	18.10	2.50	1.00	28.76	<200	19.91	2.75	1.10
Chloride as Cl	mg/l	3	311	116	4	19.73	1.50	3.70	12.89	<200	21.71	1.65	4.07
Sulphate as SO ₄	mg/l	3	311	116	4	4.47	4.80	5.05	12.23	<400	4.91	5.28	5.56
Nitrate as NO ₃ -N	mg/l	3	312	118	4	2.57	0.26	0.17	0.45	<10	2.82	0.29	0.19
Fluoride as F	mg/l	—	311	116	4	—	0.10	0.12	0.29	<1.0	—	0.11	0.13

Chemical Parameter	Unit	Quaternary Catchments A21J, A21K, A21L & A22A														
		No. of Samples				Ambient GW quality or median ¹				BHN Reserve ²	Groundwater Quality Reserve ³					
		A21J	A21K	A21L	A22A	A21J	A21K	A21L	A22A		A21J	A21K	A21L	A22A		
pH		150	1795	10	40	6.90	7.67	7.61	7.50	5.0 – 9.5	6.21 –7.59	6.90 –8.43	6.85 –8.37	6.75 –8.25		
Electrical Conductivity	mS/m	150	1794	10	40	179.50	330.50	31.80	32.35	<150	179.50	330.50	34.98	35.38		
Calcium as Ca	mg/l	142	1801	9	36	72.36	234.00	32.00	5.72	<150	79.60	234.00	35.20	6.29		
Magnesium as Mg	mg/l	142	1801	9	36	97.98	158.00	6.10	22.43	<100	100.00	158.00	6.71	24.67		
Sodium as Na	mg/l	141	1800	9	36	125.30	256.96	23.46	17.56	<200	136.83	256.96	25.80	19.32		
Chloride as Cl	mg/l	142	1796	9	36	199.06	370.59	5.00	5.00	<200	200.00	370.59	5.50	5.50		
Sulphate as SO ₄	mg/l	141	1796	9	36	192.65	836.09	5.20	5.79	<400	211.92	836.09	5.72	6.37		
Nitrate as NO _x -N	mg/l	142	1770	9	36	7.29	3.05	3.75	0.31	<10	8.02	3.35	4.12	0.33		
Fluoride as F	mg/l	142	1560	9	36	0.22	0.01	0.33	0.32	<1.0	0.24	0.011	0.37	0.35		
Chemical Parameter	Unit	Quaternary Catchments A22B, A22C, A22D & A22E														
		No. of Samples				Ambient GW quality or median ¹				BHN Reserve ²	Groundwater Quality Reserve ³					
		A22B ⁺	A22C ⁺	A22D ⁺	A22E	A22B ⁺	A22C ⁺	A22D ⁺	A22E		A22B ⁺	A22C ⁺	A22D ⁺	A22E		
pH		29	108	4	29	7.96	7.80	7.23	7.96	5.0 – 9.5	7.16 –8.75	7.02 –8.58	6.51 –7.96	7.16 –8.75		
Electrical Conductivity	mS/m	29	108	4	29	38.80	42.95	38.95	38.80	<150	42.68	47.25	42.84	42.68		
Calcium as Ca	mg/l	29	101	4	29	27.40	45.50	17.20	27.40	<150	30.14	50.05	18.92	30.14		
Magnesium as Mg	mg/l	29	101	4	29	25.83	26.90	23.62	25.83	<100	28.42	29.59	25.99	28.42		
Sodium as Na	mg/l	29	101	4	29	6.80	4.44	13.58	6.80	<200	7.48	4.88	14.94	7.48		
Chloride as Cl	mg/l	29	101	4	29	5.00	4.10	5.25	5.00	<200	5.50	4.51	5.78	5.50		
Sulphate as SO ₄	mg/l	29	101	4	29	6.18	5.00	3.70	6.18	<400	6.80	5.50	4.07	6.80		
Nitrate as NO _x -N	mg/l	29	101	4	29	0.56	1.04	2.01	0.56	<10	0.61	1.15	2.21	0.61		
Fluoride as F	mg/l	29	101	4	29	0.35	0.12	0.35	0.35	<1.0	0.38	0.13	0.39	0.38		

Chemical Parameter	Unit	Quaternary Catchments A22F, A22G, A22H & A22J													
		No. of Samples				Ambient GW quality or median ¹				BHN Reserve ²	Groundwater Quality Reserve ³				
		A22F	A22G	A22H	A22J	A22F	A22G	A22H	A22J	Reserve ²		A22F	A22G	A22H	A22J
pH		52	108	3457	25	7.88	7.80	7.64	7.94	5.0 – 9.5		7.09–8.67	7.02–8.58	6.88–8.40	7.15–8.73
Electrical Conductivity	mS/m	52	108	3457	25	58.05	42.95	412.00	108.00	<150		63.86	47.25	412.00	118.80
Calcium as Ca	mg/l	46	101	3460	20	43.75	45.50	288.84	100.68	<150		48.13	50.05	288.84	110.75
Magnesium as Mg	mg/l	46	101	3461	20	20.74	26.90	205.50	62.56	<100		22.81	29.59	205.50	68.82
Sodium as Na	mg/l	46	101	3461	20	28.27	4.44	313.50	48.37	<200		31.10	4.88	313.50	53.20
Chloride as Cl	mg/l	46	101	3456	20	18.63	4.10	325.94	43.32	<200		20.49	4.51	325.94	47.65
Sulphate as SO ₄	mg/l	46	101	3457	20	25.99	5.00	1169.29	46.64	<400		28.59	5.50	1169.29	51.30
Nitrate as NO _x -N	mg/l	46	101	3405	20	0.24	1.04	1.00	15.95	<10		0.26	1.15	1.10	15.95
Fluoride as F	mg/l	46	101	2967	20	0.48	0.12	0.01	0.15	<1.0		0.53	0.13	0.011	0.16
Chemical Parameter	Unit	Quaternary Catchments A23A, A23B, A23C & A23D													
		No. of Samples				Ambient GW quality or median ¹				BHN Reserve ²	Groundwater Quality Reserve ³				
		A23A	A23B	A23C	A23D	A23A	A23B	A23C	A23D	Reserve ²		A23A	A23B	A23C	A23D
pH		148	798	83	31	7.20	7.90	7.92	7.70	5.0 – 9.5		6.48–7.92	7.11–8.93	7.13–8.71	6.93–8.47
Electrical Conductivity	mS/m	148	817	83	31	47.00	53.00	250.00	37.20	<150		51.70	58.30	250.00	40.92
Calcium as Ca	mg/l	149	757	76	31	40.00	54.00	84.06	32.20	<150		44.00	59.40	92.47	35.42
Magnesium as Mg	mg/l	149	758	76	31	23.00	33.00	53.15	24.00	<100		25.30	36.30	58.47	26.40
Sodium as Na	mg/l	149	758	74	31	16.00	4.00	371.04	4.90	<200		17.60	4.40	371.04	5.39
Chloride as Cl	mg/l	149	758	76	31	7.00	6.00	413.64	5.30	<200		7.70	6.60	413.64	5.83
Sulphate as SO ₄	mg/l	149	758	74	31	5.00	5.00	109.77	11.50	<400		5.50	5.50	120.74	12.65
Nitrate as NO _x -N	mg/l	149	797	76	31	3.00	1.00	11.45	0.83	<10		3.30	1.10	11.45	0.91
Fluoride as F	mg/l	149	758	76	31	0.20	0.15	1.01	0.11	<1.0		0.22	0.17	1.01	0.12

Chemical Parameter	Unit	Quaternary Catchments A23E, A23F, A23G, A23H												
		No. of Samples					Ambient GW quality or median ¹				BHN Reserve ²	Groundwater Quality Reserve ³		
		A23E	A23F	A23G	A23H		A23E	A23F	A23G	A23H		A23E	A23F	A23H
pH		988	6	266	68		7.66	7.32	7.93	8.47	5.0 – 9.5	6.89–8.43	6.59–8.05	7.14–8.72
Electrical Conductivity	mS/m	988	6	255	68		90.80	69.55	65.30	56.70	<150	99.88	76.51	62.37
Calcium as Ca	mg/l	988	6	255	67		82.60	41.40	24.10	53.90	<150	90.86	45.54	59.29
Magnesium as Mg	mg/l	988	6	258	67		51.80	35.70	6.49	28.30	<100	56.98	39.27	31.13
Sodium as Na	mg/l	988	6	266	67		31.46	24.65	60.90	18.60	<200	34.60	27.12	20.46
Chloride as Cl	mg/l	988	6	255	67		71.25	42.60	53.55	10.10	<200	78.38	46.86	11.11
Sulphate as SO ₄	mg/l	988	6	258	67		109.50	19.65	8.90	5.10	<400	120.45	21.62	5.61
Nitrate as NO ₃ -N	mg/l	988	6	266	67		5.16	5.09	0.85	2.03	<10	5.67	5.60	2.23
Fluoride as F	mg/l	988	6	258	67		0.05	0.36	0.69	0.30	<1.0	0.06	0.39	0.33
Chemical Parameter	Unit	Quaternary Catchments A23J, A23K, A23L & A24A												
		No. of Samples					Ambient GW quality or median ¹				BHN Reserve ²	Groundwater Quality Reserve ³		
		A23J	A23K	A23L	A24A		A23J	A23K	A23L	A24A		A23J	A23K	A24A
pH		127	5	21	57		8.37	8.18	8.13	7.84	5.0 – 9.5	7.53–9.21	7.36–9.00	7.06–8.62
Electrical Conductivity	mS/m	127	5	21	57		38.40	63.00	112.40	89.90	<150	42.24	69.30	98.89
Calcium as Ca	mg/l	121	5	18	53		38.90	53.07	15.47	90.85	<150	42.79	58.38	99.94
Magnesium as Mg	mg/l	122	5	18	53		23.75	16.20	2.30	52.14	<100	26.13	17.82	57.36
Sodium as Na	mg/l	122	5	18	53		2.38	52.99	215.24	19.38	<200	2.62	58.29	21.32
Chloride as Cl	mg/l	122	5	18	53		5.00	64.79	226.96	63.96	<200	5.50	71.26	70.36
Sulphate as SO ₄	mg/l	121	5	18	53		6.70	11.90	10.43	10.60	<400	7.37	13.09	11.66
Nitrate as NO ₃ -N	mg/l	123	5	18	53		0.17	0.77	0.04	1.24	<10	0.18	0.85	1.37
Fluoride as F	mg/l	121	5	21	53		0.16	1.03	8.81	0.54	<1.0	0.18	1.03	0.59

Chemical Parameter	Unit	Quaternary Catchments A24B, A24C, A24D & A24E												
		No. of Samples				Ambient GW quality or median ¹				BHN Reserve ²	Groundwater Quality Reserve ³			
		A24B	A24C	A24D	A24E	A24B	A24C	A24D	A24E		A24B	A24C	A24D	A24E
pH		36	137	24	10	7.70	7.70	8.19	7.92	5.0 – 9.5	6.93–8.47	6.93–8.47	7.37–9.01	7.13–8.71
Electrical Conductivity	mS/m	36	137	24	10	129.15	129.00	91.25	63.00	<150	142.07	141.90	119.60	69.30
Calcium as Ca	mg/l	36	139	20	8	115.50	79.50	1.96	64.10	<150	127.05	87.45	2.15	70.51
Magnesium as Mg	mg/l	36	139	20	8	85.50	58.00	129.85	34.65	<100	100.00	63.80	129.85	38.12
Sodium as Na	mg/l	36	139	20	8	77.40	90.50	5.91	26.50	<200	85.14	99.55	6.50	29.15
Chloride as Cl	mg/l	36	139	20	8	139.30	143.10	5.25	29.79	<200	153.23	157.41	5.78	32.77
Sulphate as SO ₄	mg/l	36	139	20	8	63.70	68.20	4.83	22.50	<400	70.07	75.02	5.32	24.75
Nitrate as NO _x -N	mg/l	36	139	20	8	8.63	3.75	1.98	14.95	<10	9.49	4.13	2.17	14.95
Fluoride as F	mg/l	36	139	20	8	0.81	0.84	0.10	0.25	<1.0	0.89	0.92	0.11	0.28
Chemical Parameter	Unit	Quaternary Catchments A24F, A24G, A24H & A24J												
		No. of Samples				Ambient GW quality or median ¹				BHN Reserve ²	Groundwater Quality Reserve ³			
		A24F	A24G	A24H	A24J	A24F	A24G	A24H	A24J		A24F	A24G	A24H	A24J
pH		444	8	26	309	7.60	7.00	7.59	7.90	5.0 – 9.5	6.84–8.36	6.30–7.70	6.83–8.35	7.11–8.69
Electrical Conductivity	mS/m	435	8	26	309	297.00	45.00	76.35	102.40	<150	297.00	49.50	83.99	112.64
Calcium as Ca	mg/l	434	8	26	278	152.00	41.00	44.75	62.80	<150	152.00	45.10	49.23	69.08
Magnesium as Mg	mg/l	433	8	26	278	115.00	4.00	32.30	58.10	<100	115.00	4.40	35.53	63.91
Sodium as Na	mg/l	446	8	26	278	305.00	33.00	38.60	62.80	<200	305.00	36.30	42.46	69.08
Chloride as Cl	mg/l	434	8	26	278	825.60	10.00	29.50	85.35	<200	825.60	11.00	32.45	93.89
Sulphate as SO ₄	mg/l	445	8	26	278	115.50	18.00	9.90	46.70	<400	127.05	19.80	10.89	51.37
Nitrate as NO _x -N	mg/l	336	8	26	278	3.48	0.12	0.89	5.56	<10	3.82	0.13	0.98	6.12
Fluoride as F	mg/l	392	8	26	278	0.21	3.00	0.67	0.68	<1.0	0.23	3.30	0.73	0.75

Chemical Parameter	Unit	Quaternary Catchments A31, A31B, A31C & A31D													
		No. of Samples				Ambient GW quality or median ¹				BHN Reserve ²	Groundwater Quality Reserve ³				
		A31A	A31B	A31C	A31D	A31A	A31B	A31C	A31D		A31A	A31B	A31C	A31D	
pH		75	30	480	710	8.05	7.37	7.90	8.00	5.0 – 9.5	7.25–8.86	6.63–8.11	7.11–8.69	7.20–8.80	
Electrical Conductivity	mS/m	75	30	526	758	30.50	69.75	47.40	50.90	<150	33.55	76.73	52.14	55.99	
Calcium as Ca	mg/l	75	25	473	695	30.54	85.27	47.60	53.50	<150	33.59	93.80	52.36	58.85	
Magnesium as Mg	mg/l	75	25	473	697	18.20	56.80	31.25	32.17	<100	20.02	62.48	34.38	35.39	
Sodium as Na	mg/l	75	25	473	697	3.40	17.60	2.60	3.20	<200	3.74	19.35	2.86	3.52	
Chloride as Cl	mg/l	75	25	473	698	5.69	35.90	4.60	5.69	<200	6.26	39.49	5.06	6.26	
Sulphate as SO ₄	mg/l	75	25	473	697	3.00	59.33	4.50	10.10	<400	3.30	65.26	4.95	11.11	
Nitrate as NO _x -N	mg/l	75	25	476	695	0.23	1.64	0.21	0.31	<10	0.25	1.81	0.23	0.35	
Fluoride as F	mg/l	75	25	473	682	0.10	0.26	0.19	0.23	<1.0	0.11	0.29	0.21	0.25	
Chemical Parameter	Unit	Quaternary Catchments A31E, A31F, A31G & A31H													
		No. of Samples				Ambient GW quality or median ¹				BHN Reserve ²	Groundwater Quality Reserve ³				
		A31E	A31F	A31G	A31H	A31E	A31F	A31G	A31H		A31E	A31F	A31G	A31H	
pH		7	26	16	27	7.50	7.79	8.13	7.92	5.0 – 9.5	6.75–8.25	7.01–8.57	7.32–8.95	7.13–8.71	
Electrical Conductivity	mS/m	7	26	16	27	17.70	74.65	41.95	76.40	<150	19.47	82.12	46.15	84.04	
Calcium as Ca	mg/l	7	21	13	22	14.20	18.10	20.93	44.68	<150	15.62	19.91	23.02	49.15	
Magnesium as Mg	mg/l	7	21	13	22	10.00	15.50	35.00	23.11	<100	11.00	17.05	38.50	25.42	
Sodium as Na	mg/l	7	21	13	22	5.80	14.70	8.55	81.63	<200	6.38	16.17	9.40	89.79	
Chloride as Cl	mg/l	7	22	13	22	3.30	5.30	5.00	65.68	<200	3.63	5.83	5.50	72.24	
Sulphate as SO ₄	mg/l	7	22	13	22	2.00	9.99	3.00	10.77	<400	2.20	10.99	3.30	11.85	
Nitrate as NO _x -N	mg/l	7	22	13	22	0.35	2.06	0.27	8.43	<10	0.38	2.27	0.30	9.27	
Fluoride as F	mg/l	7	22	13	22	0.27	0.16	0.11	0.42	<1.0	0.30	0.18	0.12	0.46	

Quaternary Catchments A31J, A32A, A32B & A32C														
Chemical Parameter	Unit	No. of Samples				Ambient GW quality or median ¹				BHN Reserve ²	Groundwater Quality Reserve ³			
		A31J	A32A	A32B *	A32C *	A31J	A32A	A32B *	A32C *		A31J	A32A	A32B *	A32C *
pH		7	23	24	7	7.72	8.15	8.19	7.72	5.0 – 9.5	6.95–8.49	7.34–8.97	7.37–9.01	6.95–8.49
Electrical Conductivity	mS/m	7	23	24	7	76.00	90.10	91.25	76.00	<150	83.60	99.11	119.60	83.60
Calcium as Ca	mg/l	5	18	20	5	46.60	25.29	1.96	46.60	<150	51.26	27.82	2.15	51.26
Magnesium as Mg	mg/l	5	18	20	5	72.10	96.40	129.85	72.10	<100	79.31	106.04	129.85	79.31
Sodium as Na	mg/l	5	18	20	5	27.70	23.87	5.91	27.70	<200	30.47	26.25	6.50	30.47
Chloride as Cl	mg/l	6	18	20	6	4.70	25.39	5.25	4.70	<200	5.17	27.92	5.78	5.17
Sulphate as SO ₄	mg/l	5	18	20	5	22.40	33.30	4.83	22.40	<400	24.64	36.63	5.32	24.64
Nitrate as NO _x -N	mg/l	6	18	20	6	2.53	5.77	1.98	2.53	<10	2.78	6.35	2.17	2.78
Fluoride as F	mg/l	5	18	20	5	0.18	0.19	0.10	0.18	<1.0	0.20	0.21	0.11	0.20
Quaternary Catchments A32D, A32E, A10A & A10B														
Chemical Parameter	Unit	No. of Samples				Ambient GW quality or median ¹				BHN Reserve ²	Groundwater Quality Reserve ³			
		A32D *	A32E	A10A	A10B	A32D *	A32E	A10A	A10B		A32D *	A32E	A10A	A10B
pH		24	68	503	38	8.19	8.06	7.98	7.88	5.0 – 9.5	7.37–9.01	7.25–8.87	7.18–8.78	7.09–8.67
Electrical Conductivity	mS/m	24	68	473	38	91.25	106.70	45.70	76.20	<150	119.60	117.34	50.27	83.82
Calcium as Ca	mg/l	20	63	435	31	1.96	64.97	49.10	45.20	<150	2.15	71.47	54.01	49.72
Magnesium as Mg	mg/l	20	63	499	31	129.85	67.79	29.00	26.40	<100	129.85	74.57	31.90	29.04
Sodium as Na	mg/l	20	63	499	31	5.91	66.66	2.40	56.41	<200	6.50	73.33	2.64	62.05
Chloride as Cl	mg/l	20	63	432	31	5.25	59.93	4.80	54.00	<200	5.78	65.48	5.28	59.40
Sulphate as SO ₄	mg/l	20	63	499	31	4.83	15.86	4.40	10.79	<400	5.32	17.45	4.84	11.87
Nitrate as NO _x -N	mg/l	20	67	500	32	1.98	11.81	0.79	7.34	<10	2.17	11.81	0.87	8.08
Fluoride as F	mg/l	20	63	499	31	0.10	0.41	0.10	0.40	<1.0	0.11	0.45	0.11	0.44

Chemical Parameter	Unit	Quaternary Catchment A10C			
		No. of Samples	Ambient GW quality or median ¹	BHN Reserve ²	Groundwater Quality Reserve ³
		A10C	A10C		A10C
pH		22	7.96	5.0 – 9.5	7.16–8.75
Electrical Conductivity	mS/m	22	108.60	<150	119.46
Calcium as Ca	mg/l	17	109.10	<150	120.01
Magnesium as Mg	mg/l	17	89.65	<100	98.62
Sodium as Na	mg/l	17	6.53	<200	7.18
Chloride as Cl	mg/l	17	18.91	<200	20.80
Sulphate as SO ₄	mg/l	17	9.12	<400	10.03
Nitrate as NO ₃ -N	mg/l	17	8.06	<10	8.86
Fluoride as F	mg/l	17	0.24	<1.0	0.26

¹⁾ Based on data obtained from the National Groundwater Archive. Values reported are the statistical median of each parameter.

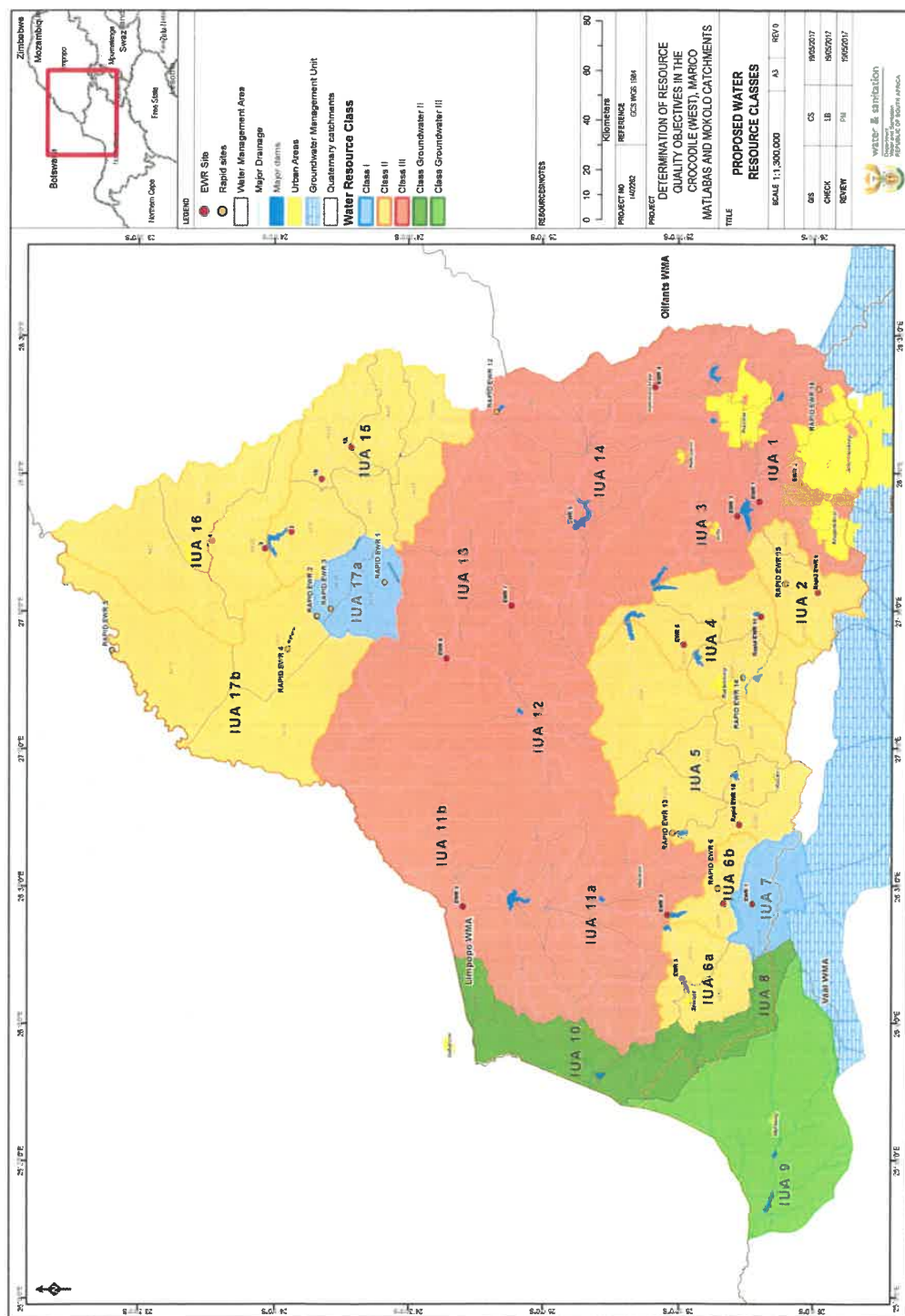
²⁾ Ref. *Quality of Domestic Water Supplies, Volume 1: Assessment Guide*, 2nd Ed. 1998. Water Research Commission Report No: TT 101/98. Pretoria, South Africa (Set for a Class 1).

³⁾ Where a difference in the water quality values for the ambient groundwater quality and basic human needs was found, the lesser or more protective value was selected for the groundwater quality Reserve. Where the ambient groundwater quality was selected as the groundwater quality Reserve, the value was scaled up by 10 per cent provided that the value does not exceed the BHN Reserve.

A total of 6 quaternary catchments do not have groundwater chemistry data, and are as highlighted in red in Table 7.2 above. The ambient groundwater quality was extrapolated from neighbouring quaternary catchments with a similar geology because geology has a huge bearing on the water quality of an area.

Table 7.3: Summary of the water quality class and parameters of concern

Quaternary catchment	Water quality class (WRC, 1998)	Water quality parameters of concern
A10A	0	None
A10B	I	None
A10C	I	Calcium, Electrical Conductivity, Magnesium, Nitrate
A21A	0	None
A21B	0	None
A21C	III	Calcium, Electrical Conductivity, Magnesium, Nitrate, Sulphate
A21D	0	None
A21E	0	None
A21F	0	None
A21G	0	None
A21H	0	None
A21J	I	Sodium, Magnesium, Chloride, Nitrate, Electrical Conductivity
A21K	III	Sulphate, Calcium, Magnesium, Sodium, Chloride, Electrical Conductivity
A21L	0	None
A22A	0	None
A22B	0	None
A22C	0	None
A22D	0	None
A22E	0	None
A22F	0	None
A22G	0	None
A22H	III	Sulphate, Electrical Conductivity, Calcium, Magnesium, Sodium, Chloride
A22J	I	Electrical Conductivity, Nitrate
A23A	0	None
A23B	0	None
A23C	II	Chloride, Electrical Conductivity, Fluoride, Nitrate, Sodium
A23D	0	None
A23E	I	Calcium, Electrical Conductivity
A23F	0	None
A23G	0	None
A23H	0	None
A23J	0	None
A23K	II	Fluoride
A23L	III	Fluoride, Sodium, Chloride
A24A	I	Calcium, Electrical Conductivity
A24B	I	Electrical Conductivity, Calcium, Magnesium, Sodium, Chloride
A24C	I	Chloride, Fluoride, Electrical Conductivity
A24D	I	Magnesium, Electrical Conductivity
A24E	0	None
A24F	III	Chloride, Electrical Conductivity, Sodium, Magnesium, Calcium
A24G	0	None
A24H	I	Electrical Conductivity
A24J	I	Electrical Conductivity
A31A	0	None
A31B	I	Calcium
A31C	0	None
A31D	0	None
A31E	0	None
A31F	I	Electrical Conductivity
A31G	0	None
A31H	I	Electrical Conductivity, Nitrate
A31J	I	Magnesium, Electrical Conductivity
A32A	I	Magnesium, Electrical Conductivity
A32B	I	Magnesium, Electrical Conductivity
A32C	I	Magnesium, Electrical Conductivity
A32D	I	Magnesium, Electrical Conductivity
A32E	II	Nitrate



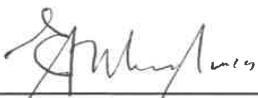
KITSISO YA KAKARETSO

KITSISO YA No. _____ YA 2021**LEFAPHA LA METSI LE KGELELOLESWE****MOLAO WA BOSETŠHABA WA METSI WA 1998
(MOLAO WA NO. YA 36 WA 1998)**

TLHOMAMISO YA RESEFE YA METSWEDI YA METSI YA MADUTELO A BOPHIRIMA JWA CROCODILE LE MARICO GO YA KA KAROLO YA 16(1) LE YA (2) YA MOLAO WA BOSETŠHABA WA METSI WA 1998 (MOLAO WA NO. YA 36 WA 1998)

Nna Senzo Mchunu, mo maemong a me jaaka Tona ya Metsi le Kgeleloleswe, morago ga go obamela karolo ya 13 ya Molao wa Bosetšhaba wa Metsi wa 1998 (Molao wa No. ya 36 wa 1998) ("Molao"), le Molawana wa 3 wa Melawana ya Tlhagiso ya Thulaganyo ya Karoganyo ya Didirisiwa tsa Metsio (No. ya R. 810 No. ya Kitsiso ya 33541, ya 17 Lwetse 2010), e bile ke dumeletswe sentle go ya ka karolo ya 16(1) le ya 63(1)(a) ya Molao, morago ga go obamela karolo ya 16(2) le ya (3) ya Molao, ke phasalatsa Tlhomamiso ya Resefe ya metswedi ya metsi ya madutelo a Bophirima jwa Crocodile le Marico.

Mokaedi: Tlhomamiso ya Resefe
Go: Rre Yakeen Atwaru
Lefapha la Metsi le Kgeleloleswe
Kago ya Ndinaye
178 Mmila wa Francis Baard
Private Bag X313
Pretoria
0001
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SENZO MCHUNU (MP)
TONA YA METSI LE KGELELOLESWE
LETLHA: 13/10/2021

MAMETLELELO

TLHOMAMISO YA RESEFE YA METSWEDI YA METSI YA MADUTELO A BOPHIRIMA JWA CROCODILE LE MARICO GO YA KA KAROLO YA 16(1) LE YA (2) YA MOLAO WA BOSETŠHABA WA METSI WA 1998 (MOLAO WA NO.YA 36 WA 1998)

1. DIAKERONIMI LE DITLHALOSO**1.1. Lenane la Diakeronimi**

ASPT	Sekoro sa Palogare go ya ka Thekesene
BHN	Ditlhokwa tsa Motheo tsa Batho
CEV	Boleng jwa Ditlamorago tse di Tswelelang pele
DWA	Lefapha la Merero ya Metsi
DWAF	Lefapha la Metsi le Dikgwa
DWS	Lefapha la Metsi le Kgeleloleswe
EcoSpecs	Dikaelo tsa Ekholoji
EIS	Botlhokwa jwa Ekholoji le Bomasisi
EWB	Ditlhokego tsa Metsi tsa Ekholoji
FRAI	Indekese ya Tshekatsheko ya Tsibogo ya Ditlhapi
GRDM	Mokgwa wa Tlhomamiso ya Resefe ya Metsi a ka fa teng ga lefatshe
GW	Metsi a ka fa Teng ga lefatshe
HN	Sedirisiwa
MCM	Dikubikimitara di le Milione
MLF	Kelo ya Metsi ya Tlhokomelo
NMAR	Go gogiwa ga Metsi ka Ngwaga ka Mokgwa wa Tlhago
NTU	Diyuniti tsa Nefelometiriki tsa Tebiditi
PAI	Tshupane ya Tshekatsheko ya Setlhotlheletsi se se Bonagalang le sa Khemikale
PES	Maemo a Gajaana a Ekholoji
RC	Maemo a Tshupetso
REC	Karolo e e Atlanegisitsweng ya Ekholoji
RHP	Lenaane la Boitekanelo la Noka
SRP	Otofoseforase e e Tlhaologang e e Tsibogang
TIN	Naeterojene ya Botlalo e e sa Boleng
TPCs	Matseno a Ntliha ya Kgonagalo
WMS	Thulaganyo ya Tsamaiso ya Metsi
WRC	Khomišene ya Patlisiso ya Metsi
WQ	Boleng jwa Metsi
WQSU	Diyunitipotlana tsa Boleng jwa Metsi

1.2. Ditlhaloso

Mo Mametlelelong e, lefoko lengwe le lengwe le neetsweng bokao mo Molaong wa Bosetšhaba wa Metsi le tla kaya bokao jo le bo neetsweng gape, ntle le fa bokao bo kaya ka mokgwa mongwe-

“Kelelo ya kwa tlase” ke kelelo ya kwa tlase e e tswelediwa ya mo dinokeng ka nako ya maemo a bosa a a omileng le le a a siameng, fela a sa abelwa otlhe ke metsi a a kwa tlase ga lefatshe; go akaretsa kabelo go tswa mo kelelong ya ka fa gare e e diegileng le go tswa ga metsi a a ka fa tlase ga lefatshe;

“Setlhophsa sa Motswedi wa Metsi” ke setlhophsa sa dimelo tse di elediwa tsa tiriso le maemo a ekholoji a metswedi e e botlhokwa ya metsi mo bodutelong jo bo rileng (yuniti e e tshwaraganeng ya tshkatsheko). Setlhophsa se tshwanetse go tlhalosa bogolo jwa tiriso ya metswedi ya metsi; Resefe; maitlhomo a boleng jwa motswedi le tlhomamiso ya karolo e e abiwang ya motswedi wa metsi o o dirisiwang. Motswedi wa metsi o tshwanetse go farologanngwa ka e le nngwe ya ditlhophsa di le tharo, Setlhophsa sa I motswedi wa metsi le Setlhophsa sa II motswedi wa metsi le Setlhophsa sa III motswedi wa metsi;

“Setlhophsa sa Ekholoji” ke maemo a ekholoji go motswedi wa metsi a a kayang phapogo ya dikarolo tsa baeyofisikale ya motswedi wa mesti go tswa mo maamong a kaelo a tlhago;

“Botlhokwa le Bomasisi jwa Ekholoji” (EIS) bo kaya dibontshi tse di botlhokwa mo tlhophelong ya ekholoji ya metswedi ya metsi. Botlhokwa jwa Ekholoji bo amana le go nna teng, go emelwa le mefutafuta ya ditshedi tsa mo lefelong le le rileng le bonno. Bomasisi jwa ekholoji bo amana le ketsaetsego ya bonno le ditshedi mo lefelong le le rileng mo diphetogong tse di ka diragalang mo dikelelong, mo maamong a metsi le mo maamong a lefatshe a a nang le dikhemikale;

“Ditlhokego tsa Metsi tsa Ekholoji” (EWR) ke mekgwa ya kelelo (bogolo, nako le lobaka) le metsi a a boleng a a tlhokegang go tshola tikologo ya dinoka mo maamong a a rileng e bile lereo le le dirisiwa go kaya dikarolo tsa bakanakang le boleng ka bobedi tsa tikologo ya dinoka;

“Mafelo a Ditlhokego tsa Metsi tsa Ekholoji” (EWR) ke dintlha tse di totobetseng tsa noka jaaka go tlhomamisitswe ka thulaganyo ya tlhopho ya lefelo. Lefelo la EWR le na le bolelele jwa noka e e ka nnang le mefuta ya dikarolo tse di farologaneng ka maikemisetso a metsi le ekholoji. Mafelo a, a tlamela ka dibontshi tse di lekaneng go tlathloba dikelelo tsa tikologo le go tlathloba maemo a dikarolo tsa saense ya tiriso ya melao ya fisika mo bayolojing (ditlhotlheletsi tse di jaaka haeteroloji, jeomofoloji le dikhemikale tsa fisika) le ditsibogo tsa bayoloji (viz. ditlhapi, ditshedi tse di senang mokwatla le dimela tse di mo lotshitshing);

“Go tlatsa” ke koketso ya metsi mo lefelong le le kolobileng, ka nwelelo ya kwa tlase ya pula kgotsa metsi a a mo boalong le/ kgotsa go elela ga metsi a a ka fa tlase ga lefatshe a a gaufi le matlapa a a monang metsi;

“Karolo e e Atlanegisitsweng ya Ekholoji” (REC) ke karolo ya ekholoji e e bontshang taolo e e totilweng ya motswedi wa metsi e e ka ga tlhophelo ya ona ya ekholoji e e tshwanetseng go fitlhelwa. Dikarolo di tloga ka Karolo ya A (se se sa fetolwang, tlhago) go fitlha go Karolo ya D (se se fetotsweng thata);

“Resefe” ke bakanakang le boleng jwa metsi a a tlhokegang go kgotsofatsa ditlhokwa tsa motheo tsa batho ka go bona thebolelo ya motheo ya metsi le go sireletsa tikologo ya mo metsing kgotsa ya fa gaufi le metsi go bona tlhabololo e e tswelwang ya tikologo le tiriso ya motswedi o o maleba wa metsi;

“Mo noka e kopang le e nngwe teng” (kopano ya bayofisikale) ke dintlha tsa sekao tse di emetseng kelelo godimo kgotsa lefelo la metsi la thulaganyotikologo (dinoka, meraga, kgwelo le metsi a a ka fa tlase ga lefatshe) mo setlhophsa sa dikamano se dirang teng.

2. TLHALOSO YA MOTSWEDI WA METSI

- 2.1 Resefe e tlhomamisiwago motswedi wa metsi otlhe o o botlhokwa kgotsa go karolo nngwe le nngwe e e botlhokwa ya ona mo madutelong a (Bophirima) jwa Crocodile le Marico, jaaka go tlhagisiwa fa tlase:

Lefelo la Tsamaiso ya Metsi:	Limpopo
Kgaolo ya Kgamo:	A21 go A24, A31 & A32 Kgaolo e Kgolwane ya Kgamo
Noka kgotsa dinoka:	Dithulaganyo tsa noka ya (Bophirima) jwa Crocodile le ya Marico

- 2.2 Tona o go ya ka karolo ya 12 ya Molao wa Bosetšhaba wa Metsi wa 1998 (Molao wa No. ya 36 wa 1998) ("Molao"), tlhagisitse thulaganyo ya go arologanya metswedi ya metsi ka go rebola Kitsiso ya Puso ya No. ya R. 810, e e phasaladitsweng mo Kuranteng ya Puso ya No. ya 33541 ya letlha la 17 Lwetse 2010. Go ya ka karolo ya 16(1) ya Molao, Tona o tshwanetse, ka bonako jo bo matshwanedi morago ga karologanyo ya motswedi otlhe wa metsi kgotsa karolo ya ona e setse e tlhomamisitswe, ka Kitsiso mo Kuranteng, go tlhomamisa resefe go motswedi otlhe wa metsi kgotsa karolo ya ona.
- 2.3 Tona, go ya ka karolo ya 16(1) le ya (2) ya Molao, o kaya Diresefe tse di latelang mabapi le madutelo a Bophirima jwa Crocodile le Marico.

3. TLHOMAMISO YA RESEFE E E TSHITSHINTSWENG JAAKA GO TLHOKEGA GO YA KA KAROLO YA 16(1) LE YA (2) YA MOLAO WA BOSETŠHABA WA METSI WA 1998

Tshobokanyo ya karolo ya bogolo mabapi le Dinoka tse di akaretsang EWR (**Setshwantsho sa 1**) le BHN go ya ka karolo ya 16(1) ya Molao mabapi le bodutelo jwa (Bophirima) Crocodile le jwa Marico e tlhagisiwa mo Karolong ya 4. **Thulaganyo ya 4.1 & 4.2** e akaretsa dipholo tsa mafelo a EWR le dikopano tsa bayofisikale;

Tshobokanyo ya karolo ya boleng mabapi le Noka kwa mafelong a EWR go ya ka karolo ya 16(1) ya Molao mabapi le bodutelo jwa (Bophirima) jwa Crocodile le jwa Marico e tlhagisiwa mo **Thulaganyong ya 5.1-5.24**;

Tshobokanyo ya seatse sa metsi a ka fa tlase ga lefatshe go Resefe mabapi le Bontsi jwa Metsi go ya ka karolo ya 16(1) ya Molao mabapi le bodutelo jwa (Bophirima) jwa Crocodile le jwa Marico e tlhagisiwa mo **Thulaganyong ya 6.1**;

Tshobokanyo ya seabe sa metsi a ka fa tlase ga lefatshe go Resefe mabapi le Boleng jwa Metsi go ya ka karolo ya 16(1) ya Molao mabapi le bodutelo jwa (Bophirima) jwa Crocodile le jwa Marico e tlhagisiwa mo **Thulaganyong ya 7.1, 7.2 le 7.3**;

Resefe e tla dira go simolola ka letlha le le kailweng jaaka go tlhomamisitswe go ya ka Karolo ya 16(1) ya Molao, ntle le fa go totobaditswe ke Tona ka mokgwa mongwe.

4. METSI A MO BOALONG - KAROLO YA BONTSI MABAPI LE DINOKA

Dipholo tse di tshitshintsweng mabapi le tlhomamiso ya Resefe le karologanyo ya ekholoji mabapi le bodutelo jwa (Bophirima) jwa Crocodile le jwa Marico, mo bakanakang jwa Resefe bo tlhagisiwa e le peresente ya NMAR mabapi le madutelo a a rileng (ka botlalo) go ya ka karolo ya (16)(1).

Thulaganyo ya 4.1: Tshobokanyo ya karolo ya bontsi mabapi le Dinoka tse di akaretsang EWR & BHN mabapi le mafelo a a bothokwa.

Leina la Kopano	Botulo jwa Kwatenari	Leina la Noka	PES	EIS	Karolo e e Atanagistsweng ya Ekholoji e e tshwanetseng go thokomelwa	NIMAR (MCM) ¹	EWR % NIMAR ²	Resefe ya BHN (%NIMAR) ³	Resefe ya Botulo (%NIMAR) ⁴
Lefelo la EWR Croc_EWR1	A21 H	Noka ya Crocodile go tswa mo dikgathong tsa Jukskei go tshela Hartbeespoort Dam	D	Bogareng	D	231.05	24.07	0.17	24.24
Lefelo la EWR Croc_EWR2	A21C	Noka ya Jukskei	E	Bogareng	D	139.9	29.19	3.55	32.74
Lefelo la EWR Croc_EWR3	A21J	Crocodile go tswa go Hartbeespoort Dam go thataloga le Rooddekopies Dam	C/D	Godimo	C/D	143.3	25.02	0.84	25.87
Lefelo la EWR Croc_EWR4	A23B	Plenaars go tswa go Rooddeplaat Dam botso jwa bodutelo jwa kwatenari	C	Godimo	C	28.2	30.81	1.18	31.99
Lefelo la EWR Croc_EWR5	A23J	Moretele (Plenaars) go dikgatho le Crocodile	D	Godimo	D	113.0	11.82	5.23	17.05
Lefelo la EWR Croc_EWR6	A22J	Hex go tswa go Bospoort Dam go tshela Vaalkop Dam	D	Bogareng	D	26.9	14.96	1.35	16.31
Mafelo a EWR Croc_EWR7	A24C	Noka ya Crocodile go tswa go Rooddekopies Dam go thataloga le dikgatho tsa Sand Rive, Sleepfontein, medutela ya Klipspruit	D	Bogareng	D	463.4	13.9	0	13.9
Lefelo la EWR Croc_EWR8	A24J	Crocodile e e kwa Tase go tswa go dikgatho tsa Bierspruit go dikgatho le Limpopo	D	Bogareng	D	565.16	7.48	0.09	7.57
Croc Rapid EWR9	A21F	Magalies kwa tase ga Maloney's Eye	B	Bogareng	B	14.61	45.93	0.58	46.51
Rapid EWR10	A22A	Dikgala tse di kwa godimo tsa Elands (motswedi) go fitlha go Swartkops Dam	C	Bogareng	B/C	10.1	30.48	3.66	34.14
Croc Rapid EWR11	A21K	Dikgala tse di kwa godimo tsa Sterkstroom (motswedi) go tshela Buffelspoort Dam	C	Godimo	C	13.95	28.41	5.76	34.17
Croc Rapid EWR12	A23G	Plat River	C/D	Bogareng	C/D	4.864	23.08	14.20	37.28
Croc Rapid EWR13	A22E	Elands go tswa go Lindleyspoort Dam go fitlha go Vaalkop Dam	C	Botlase	C	18.77	21.90	0.312	22.21
Croc Rapid EWR14	A22H	Waterkloofspruit go dikgatho le Hex	B/C	Botlase	B/C	5.469	28.27	38.44	66.71
Croc Rapid EWR15	A21F	Magalies, Klein Magalies, Bloubaank	C/D	Botlase	C/D	21.89	21.18	0.39	21.57
Croc Rapid EWR_16	A21A	Rietvlei (motswedi)	C	Botlase	C	4.788	27.83	28.865	56.69
Lefelo la EWR Mar_EWR1	A31A	Marico Eye, Kaaloog-se-Loop, Bokkraal-se-Loop, Ribbokfontein-se-Loop, Rietfontein, (southern eye), Kuilfontein, Syferfontein, Bronkhorstfontein	B	Godimo thata	B	10.539	76.32	0	76.32
Lefelo la EWR Mar EWR2	A31B	Bogotlha jwa Groot Marico go thataloga le dikgatho tsa Polkadraalspruit	B	Godimo thata	B	42.08	50.26	0.03	50.29
Lefelo la EWR Mar EWR3	A31F	Marico Groot Marico go tswa go Marico Bosveld Dam go fitlha go Molatedi Dam, medutela yothle	C/D	Godimo	C/D	65.083	23.62	0.33	23.95

Leina la Kopano	Botutelo jwa Kwatenari	Leina la Noka	PES	EIS	Karolo e e Atanagitsweng ya Ekholoji e e tshwanetseng go thokomelwa	NMAR (MCM) ¹	EWR % NMAR ²	Resefe ya BHN (%NMAR) ³	Resefe ya Botlalo (%NMAR) ⁴
Lefelo la EWR Mar EWR4	A32D	Marico go tswa go Molatedi Dam go dikgatho le Limpopo, noka ya Rasweu, noka ya Maselaje	C	Godimo	C	153.25	7.96	0.01	7.97
Lefelo la EWR Mar EWR5	A31E	Klein Marico go tswa go Klein Maricopoort Dam go filha go Kromellemboog Dam	C	Bogareng	C	16.25	11.70	0.05	11.75
Rapid EWR6	A31B	Polkadraaispruit go dikgatho le Marico	B/C	Bogareng	B	9.87	49.27	0.13	49.39

1) NMAR ke Go gogiwa ga Metsi ka Ngwaga ka Mokgwa wa Thago.

2) Bokanakang jo bo emela mokgwa wa pakatelele go kaagile ka NMAR. Fa NMAR e fetoga, bokanakang jo le bona go tla fetoga.

3) Bo emela peresente ya BHN.

4) Bokanakang jothe jwa Resefe bo emela Resefe ya Ekholoji le Resefe ya Dilithokwa tsa Motheo tsa Batho (BHN).

Thulaganyo ya 4.2: Tshobokanyo ya karolo ya bontsi mabapi le mafelo a didirisiwa tse di akaretsang EWR & BHN

Leina la Kopano	Botutelo jwa Kwatenari	Leina la Noka	PES	EIS	Karolo e e Atanagitsweng ya Ekholoji e e tshwanetseng go thokomelwa	NMAR (MCM) ¹	EWR % NMAR ²	Resefe ya BHN (%NMAR) ³	Resefe ya Botlalo (%NMAR) ⁴
HN1	A21A	Noka ya Hermops go thalloga le Rietvlei Dam	C	Botlase	C	11.66	27.83	11.84	39.67
HN25	A22H	Hex go tswa go Olifantsnek Dam go ya go Bospoort Dam, Sandspruit	D	Bogareng	D	12.11	15.26	17.36	32.62
HN29	A22A	Elands go tswa go Swarttuggens Dam go ya go Lindleyspoort Dam	C	Godimo	C	12.87	23.99	2.88	26.87
HN30	A22B	Upper Koster (motswedi) go ya go Koster Dam	C	Godimo	C	2.54	22.77	15.19	37.97
Lefelo la EWR Mar EWR2	A31B	Bogofhe jwa Groot Marico go thalloga le dikgatho tsa Polkadraaispruit	B	Godimo thata	B	42.08	50.26	0.03	50.29
HN63	A31B	Groot Marico go tswa go dikgatho tsa Polkadraaispruit go ya go Marico Bosveld Dam	B	Godimo thata	B	56.92	50.61	0.02	50.63
HN65	A31E	Klein Marico go tswa go Zeerust go ya go Klein Maricopoort Dam	C/D	Bogareng	C/D	16.25	14.26	0.05	14.31
HN43	A24H	Sand go dikgatho le Crocodile	B	Godimo	B	26.56	27.04	1.93	28.97

1) NMAR ke Go gogiwa ga Metsi ka Ngwaga ka Mokgwa wa Thago.

2) Bokanakang jo bo emela mokgwa wa pakatelele go kaagile ka NMAR. Fa NMAR e fetoga, bokanakang jo le bona go tla fetoga.

3) Bo emela peresente ya BHN.

4) Bokanakang jothe jwa Resefe bo emela Resefe ya Ekholoji le Resefe ya Dilithokwa tsa Motheo tsa Batho (BHN).

5. TSHOBOKANYO YA KAROLO YA BOLENG JWA METSI A MO BOALONG MABAPI LE DINOKA KWA MAFELONG A EWR

EWR 1: A21H-NOKA YA CROCODILE, go Tlhatloga le Hartbeespoort Dam

Thulaganyo ya 5.1: Dikarolo tsa PES le tshekatsheko ka botlalo ya lefelo mabapi le Lefelo la EWR 1

Noka	Noka ya Crocodile	Dintsha tsa Tekolo ya Boleng jwa Metsi tsa DWA
WQSU	3	A2H013 Noka ya Magalies kwa Scheerpoort 2002-2007 (n=205)
Lefelo la EWR	EWR1	A2H012 kwa Kalkheuwel mo Nokeng ya Crocodile
Dikarolo tsa Boleng jwa Metsi		Karolo/Tshwaelo
	MgSO ₄	F(5)
	Na ₂ SO ₄	A(0)
	MgCl ₂	A(0)
	CaCl ₂	A(0)
	NaCl	B(1)
	PO ₄	E(4)
	TIN	E(4)
	pH (diyuniti tsa pH)	B(1)
	Thempereitshara (°C)	Kgodiso ka niha ya boalo jwa mantle/boalong jo bo tswetsweng
	Okosijene e e tshalogileng (mg/L)	C(2)Diraefole tse di tswetsweng
	Go tsengwa ga motlakase (mS/m)	C(2)
	Chl-a: pherifitone (mg/m ²)	D
Sedirisiwa tsa tsibogo		Dikoketso tsa maatla tse di kwa godimo tsa alekale
	Thamano ya ditshedi tsa setshaba - sekoro sa diphologolo tse dintsi tse di senang lerapo la mokwatla (ASPT)	E
	Sekoro sa dilithapi (FRAI)	D
	Se se mabapi le bothole	Beke le beke go tswa mo matlakaleng ditiro tsa metsi, tse di tletseng
Tse di mabapi le	Ammonia(mg/L)	32
Karolo ya ekholoji ya lefelo ka kakaretso (go tswa mo mmotlolong wa PAI)		D

Thulaganyo ya 5.2: Dikaelo tsa boleng jwa metsi mabapi le Resefe (Ecospecs tsa Boleng) mo EWR 1: Go thatlologa le Hartbeespoort Dam

NOKA		(Bophirima) jwa Noka ya Crocodile		DINTLHA TSA TEKOLLO YA BOLENG JWA METSI	
WQSU		3	DWAQWMS	A2H012 Noka ya Crocodile kwa Kalkheuwel	
LEFELO LA EWR		EW1	RHP	Gajaaonong mafelo a a mmalwa a tekolo	
Boikanyo mo tshekatshekong ya PES					
Magareng					
Dikarolo tsa Boleng jwa Metsi		Karolo ya PES		Tokafatso a e a	
Matswai a a sa boleng (mg/L)	MgSO ₄		WQEcospecs		TPC
	Na ₂ SO ₄		>45mg/L		Boleng jwa bo95 go nna<45mg/L
	MgCl ₂		<20mg/L	N/A	Boleng jo bo kana ka 95 go nna<20mg/L
	CaCl ₂		<15mg/L		Boleng jwa bo95 go nna<15mg/L
	NaCl		<21mg/L		Boleng jwa bo95 go nna<21mg/L
Dinontsha (mg/L)	SRP	Karolo=E	<191mg/L		Boleng jwa bo95 go nna<191mg/L
	TIN	Karolo=E	<0.125mg/L	Ee, go D	Boleng jwa bo50 go nna<0.125mg/L
	pH	Noka e e mo magareng	<4.0mg/L	Ee, go D	Boleng jwa bo50 go nna<4.0mg/L
Se se bonagalang Didirisiwa	Thempereitshara		Boleng jwa bo5(5.9-6.5)Boeng jwa bo95 (8.0-8.8)	Nnyaa	Boleng jwa bo5(5.9-6.5)boleng jwa bo95(8.0-8.8)
	Okosijene e e thaaogileng				Go thagisa tekolo ya motheo mabapi le sedirisiwa.
	Tebiditi (NTU)				Boleng jwa bo5 go nna>6.1mg/L. Go thagisa
	Go tsenngwa ga motlakase (mS/m)				Tekolo ya motheo mabapi le sedirisiwa se.
	Chla: pheritone				Go thagisa tekolo ya motheo mabapi le Sedirisiwa se le go thokomela sekgala se se magareng.
Didirisiwa tsa tsibogo	Chla: faetopolanketone				Ka kotara
	Diphologolo tse dintsi tse di senang lerapo la mokwatla(ASPT)				Ka kotara
	Sekoro sa setshaba sa ditlhapi				Ka kotara
	Se se mabapi le bolihole				Ka kotara
	Ammonia				Ka kotara
Tse di mabapi le bolihole					
Tse di mabapi le bolihole		B	<43.7ug/L		Boleng jwa bo95 go nna<43.7ug/L
Lebelela Ecospecs mabapi le ditlhapi le diphologolo tse di senang lerapo la mokwatla					
Sekaesaka fela fa e le gore diphologolo tsa tekolo ka botlalo di kaya fa go na le bothata jo bo masisi e bile sebakwa se sa itsiwe. Kufwalo e solofetswe fa e le gore boleng jwa bo95 jwa tshedimosetso bo fela Boleng jwa Dillamorago tse di Tswelatang pele (CEV) jaaka go kailwe mo go DWAF (1996).					
Kgwedi le kgwedi					

EWR 2: A21C-NOKA YA JUKSKEI kwa Heron Bridge School

Thulaganyo ya 5.3: Dikarolo tsa PES le tshakatsheko ya botlalo ya lefelo mabapi le lefelo la EWR 2

Noka	Noka ya Jukskei	Dintha tsa Tekolo ya Boleng jwa Metsi tsa DWAF	A2H013 Noka ya Magalies kwa Scheerpoort 2002-2007 (n=205)
WQSU	1	RC	
Lefelo la EWR	EWR2	PES	A2H023 Noka ya Jukskei kwa Nietgedacht 2004-2008 (n=114)
Dikarolo tsa Boleng jwa Metsi		Boleng	Karolo/Tshwaelo
Sesaboleng matsw	MgSO ₄	71.494	F(5)
	Na ₂ SO ₄	26.244	B(1)
	MgCl ₂	0.312	A(0)
	CaCl ₂	20.236	A(0)
Dinontsha(mg/L)	NaCl	96.146	B(1)
	PO ₄	0.266	E(4)
	TIN	5.460	E(4)
	pH (diyuniti tsa pH)	7.1-8.1	B(1)
Didirisiwa tse di bonagalang	Thempheireitshara (° C)	Dithempheireitshara tse di kwa godimo go tswa megobeng ya tiriso ya metsi a a maswe	D
	Okosijene e e Tlhaologileng (mg/L)	-	D
	Go tsenngwa ga Motlakase (mS/m)	63	C(2)
	Chl-a: pherifetone (mg/m2)	14.41	D(1)
Sedirisiwa tsa tsibogo	Thamego ya dithedi tsa setshaba - sekoro sa diphologolo tse dintsi tse di senang lerapo la mokwatla (ASPT)	3.8- 4.0	E/F
	Sekoro sa ditlhapi	21.4%	E/F
	Se se mabapi le bothole	-	
	Ammonia (µg/L)	80	D(3)
Tse di mabapi le Karolo ya ekholoji ya lefelo ka kakaretso (mmotlolo wa PAI)		D	

Thulaganyo ya 5.4: Dikaelo tsa boleng jwa metsi mabapi le Resefe (Ecospecs tsa Boleng) mo EWR 2: Noka ya Jukseki kwa Heron Bridge School

NOKA	Noka ya Juskei	DINTLHA TSA TEKOLO YA BOLENG JWA METSI		
WQSU	2	DWAQWMS	AZH023 Noka ya Juskei kwa Nietgedacht	
LEFELO LA EWR	EWR2	RHP	Gajaanong mafelo a a mmalwa a tekolo	
Boikanyo mo tshetatshekong ya PES				
Dikarolo tsa Boleng jwa Metsi	Karolo ya PES	WQEcospes	Tokafatso a e a	TPC
Matswai a a sa boleng (mg/L)		<45mg/L		Boleng jwa bo95 go nna<45mg/L
		<33mg/L		Boleng jwa bo95 go nna<33mg/L
		<15mg/L	N/A	Boleng jwa bo95 go nna<15mg/L
		<21mg/L		Boleng jwa bo95 go nna<21mg/L
		<191mg/L		Boleng jwa bo95 go nna<191mg/L
Dinontsha (mg/L)	Karolo=E	<0.125mg/L	Ee, go D	Boleng jwa bo50 go nna<0.125mg/L
	Karolo=E	<4.0mg/L	Ee, go D	Boleng jwa bo50 go nna<4.0mg/L
Se se bonagalang Didirisiwa	pH	Boleng jwa bo5(5.9-6.5)Boeng jwa bo95 (8.0-8.8)	Ee, go thago	5 th boleng(5.9-6.5) 95 bñleng (8.0-8.8)
	Themphereitshara	Thokomela sekgala	N/A	Go ithagisa tekolo ya motheo mabapi le sedirisiwa.
	Okosijene e e thaologileng	7-8mg/L	N/A	Boleng jwa bo5 go nna>6.1mg/L. Go ithagisa
	Tebiditi (NTU)	Sekgala se se mo magareng Dumeletswe	N/A	Tekolo ya motheo mabapi le sedirisiwa se. Go ithagisa tekolo ya motheo mabapi leSedirisiwa se le go thokomela sekgala se se magareng.
	Go tsengwa ga motlakase	Karolo=C.	<85mS/m	Nnyaa
Didirisiwa tsa tsibogo	Chia: pherifione	<84mg/m ³ (karolo ya D)	N/A	Boleng jwa bo50 go nna<84mg/m ²
	Chia: faeipolanketone	<15µg/L (karolo ya D)		Boleng jwa 50 go nna<15µg/L
	Diphologolo tse dintsi tse di senang lerapo la mokwatla	E/F (thuto e)		Lebelela Ecospecs mabapi le diithapi le diphologolo tse di senang lerapo la mokwatla
	Sekoro sa setshaba sa ditlhapi	E/F (thuto e)		
	Se se mabapi le bothole	Bothole go tswa mo ditirong tsa indaseteri le tsa tiriso ya metsi a a maswe		Sekaseka fela fa e le gore dipholo tsa tekolo ka botlalo di kaya fa go na le bothata jo bo masisi e bile sebakwa se sa itsiwe. Kuthwalo e solofetse fa e le gore boleng jwa bo95 jwa tshedimoseetso bo feta Boleng jwa Dtlamorago tse di Tsweleng pele (CEV) jaaka go kailwe mo go DWAF (1996).
Tse di mabapi le bothole	Ammonia	<100ug/L		Boleng jwa bo95 go nna<100ug/L
				Kgwedi le kgwedi

EW3: A21J-NOKA YA CROCODILE, Go theoga le Hartbeespoort Dam

Thulaganyo ya 5.5: Dikarolo tsa PES le tshekatsheko ya botlalo ya lefelo mabapi le lefelo la EWR 3

Noka	Noka ya Crocodile	Dintlha tsa Tekolo ya Boleng jwa Metsi tsa DWAF
WQSU	5	RC A2H013 Noka ya Magalies kwa Scheerpoort 2002-2007 (n=205)
Lefelo la EWR	EW3	PES A2H083HartbeespoortDam:d/sWeir2004-2008 (n=113)
Dikarolo tsa Boleng jwa Metsi		Boleng Karolo/Tshwaelo
Sesaboleng matswai (mg/L)	MgSO ₄	67.562 F(5)
	Na ₂ SO ₄	9.867 A(0)
	MgCl ₂	6.856 A(0)
	CaCl ₂	27.569 B(1)
	NaCl	96.462 B(1)
Dinontsha(mg/L)	PO ₄	0.123 E(4)
	TIN	1.594 B(1)
Didirisiwa tse di bonagalang	pH (diyuniti tsa pH)	7.51-8.73 B(1)
	Thempereitshara (°C)	2 dintlha tsa C(2)
	Okosijene e e Tlhaologileng (mg/L)	2 dintlha tsa C/D
	Go tsenngwa ga Motlakase (mS/m)	59.24 C(2)
Tsibogo sedirisiwa	Chl-a: pherifaetone (mg/m ²)	Ditemogo tsa pono E
	Tlhamago ya ditshedi tsa setshaba -sekoro sa dipologolo tse dintsi tse di senang lerapo la mokwatla (ASPT)	3.8 E
	Sekoro sa dilithapi	24.9 E
	Se se mabapi le bothole	-
Tse di mabapi le bothole	Ammonia(mg/L)	139 E(4)
Karolo ya ekholoji ya lefelo ka kakaretso		D/E

Thulaganyo ya 5.6: Dikaelo tsa boleng jwa metsi mabapi le Resefe (Ecospecs tsa Boleng) mo EWR 3: Noka ya Crocodile go theoga le Hartbeespoort Dam

NOKA		(Bophirima) jwa Noka ya Crocodile		DINTLHA TSA TEKOLLO YA BOLENG JWA METSI	
WQSU	5	DWAWQWMS	AZH083 go theoga le lebota kganelo la Hartbeespoort Dam		
LEFELLO LA EWR	EW3	RHP	Gajjanong mafelo a a mmalwa a tekolo		
Boikanyo mo tshekatshekong ya PES		Magareng			
Dikarolo tsa Boleng jwa Metsi		Karolo ya PES		Tokatfatso a e a	
				WQEcospecs	
Matswai a a sa boleng (mg/L)	MgSO ₄			<45mg/L	
	Na ₂ SO ₄			<20mg/L	
	MgCl ₂			<15mg/L	
	CaCl ₂			<57mg/L	
Dinontsha (mg/L)	NaCl			<191mg/L	
	SRP	Karlo=E		<0.125mg/L	
	TIN	Karlo=D		<4.0mg/L	
	pH	Bontle		Boleng jwa bo5(5.9-6.5)Boeng jwa bo95 (8.0-8.8)	
Se se bonagalang Didirisiwa	Thempheireitshara	Tshedimosetso e e lekanyeditsweng e bile e tholwa ke ditiro tsa tiriso ya metsi a a maswe le tswaetsa botoropo.		N/A	
	Okosijene e e tlhagologeng			7-8mg/L	
	Tebiditi (NTU)	Se se seng sentle ka ntsha dipula tse dintsi.		N/A	
	Go tsenngwa ga molikase	Karlo=C.		N/A	
Dirisiwa tsa tsibogo	Chla: pherifone	Karlo ya =C. Tlhatlhobo ya pono e kaya dikoketso tsa maalla tse di kwa godimo tsa alekale mo matlapeng le mo megobeng		<84mg/m ² (karolo ya D)	
	Chla: faetopolanketone			<30µg/L (karolo ya D)	
	Diphologolo tse dintsi tse di senang lerapo la	E (thuto e)		Lebelela Ecospecs mabapi le dithapi le diphologolo tse di senang lerapo la mokwala	
	Se se mabapi le bothole	Bothole go tswa mo ditrong tsa indaseteri le tiriso ya metsi a a maswe		Sekaesela fela fa e le gore dipholo tsa tekolo ka bottalo di kaya fa go na le bothala jo bo masisi e bile sebakwa se sa tswe. Kutlwalo e solofetswe fa e le gore boleng jwa bo95 jwa tshedimosetso bo feta Boleng jwa Dtlamorago tse di Tsweleng pele (CEV) jaaka go kailwe mo go DWAF (1996).	
Tse di mabapi le bothole	Ammonia	E		<129µg/L	
				Boleng jwa bo95 go nna<129µg/L	
				Kgwedi le kgwedi	

EWR 4: A23B-NOKA YA PIENAARS, Go theoga le Roodeplaat Dam

Thulaganyo ya 5.7: Dikarolo tsa PES le tshetshetsho ya botlalo ya lefelo mabapi le lefelo la EWR 4

Noka	Noka ya Pienaars	Dintlha tsa Tekolo ya Boleng jwa Metsi tsa DWA
WQSU	15	RC
Lefelo la EWR	EWR4	PES
Dikarolo tsa Boleng jwa Metsi		Boleng
Matswai a sa boleng (mg/L)	MgSO ₄	51.250
	Na ₂ SO ₄	5.120
	MgCl ₂	3.704
	CaCl ₂	14.856
	NaCl	81.789
Dinontsha (mg/L)	PO ₄	0.049
	TIN	0.442
Didirisiwa tse di bonagalang	pH (diyuniti tsa pH)	7.8-8.4
	Thempereitshara (°C)	1 ntlha ya tshedimosetso
	Okosijene e e tlaologileng (mg/L)	5.5 (2 dintlha tsa tshedimosetso)
	Go tserngwa ga motlakase (mS/m)	57.1
Sedirisiwa tsa tsibogo	Chl-a: pherifione (mg/m ²)	-
	Thamago ya ditshedi tsa setshaba	
	Sekoro sa dipholologo tse dintsi tse di senang lerapo la mokwatla (ASPT)	5.8
	Sekoro sa ditlhapi	65.4%
	Se se mabapi le bothole	-
Tse di mabapi le	Ammonia (µg/L)	20
Karolo ya ekholoji ya lefelo ka kakaretso		C

Thulaganyo ya 5.8: Dikaelo tsa boleng jwa metsi mabapi le Resefe (Ecospecs tsa Boleng) mo EWR 4: Noka ya Pienaars go theoga le Roodeplaat Dam

NOKA		Noka ya Pienaars		DINTLHA TSA TEKOLLO YA BOLENG JWA METSI	
WQSU		15	DWAWQWMS	A2H006 Pienaars kwa lebotakganelong la Kilipdrift	
LEFELO LA EWR		EWR4	RHP	Gajanaong mafelo a a mmalwa a tekolo	
Boikanyo mo tshekatshekong ya PES					
Magareng					
Dikarolo tsa Boleng jwa Metsi		Karolo ya PES		Tokafatso a e a	
				WQEcospecs	
				TPC	
				Tekolo kgapetsakgapetsa	
Matswai a a sa boleng (mg/L)	MgSO ₄			Boleng jwa bo95 go nna<45mg/L	
	Na ₂ SO ₄			Boleng jo bo kana ka 95 go nna<20mg/L	
	MgCl ₂			Boleng jwa bo95 go nna<15mg/L	
	CaCl ₂			Boleng jwa bo95 go nna<21mg/L	
	NaCl			Boleng jwa bo95 go nna<191mg/L	
Dinontsha (mg/L)	SRP	Karolo ya=B		Boleng jwa bo50 go nna<0.15mg/L	
	TIN	Karolo ya=B		Boleng jwa bo50 go nna<0.25mg/L	
	pH	Karolo ya=B, Bontle		5 th boleng(5.9-6.5)95 bolethg(8.0-8.8)	
Se se bonagalang Didirisiwa	Thempereithshara	Tshedimosetso e bile e tlhola ke ditiro tsa tiriso ya metsi a a maswe le tswaetsa botoropo.		Lefelo le a theoga go tswa kwa letamong se se tla bakang go sa tsepamang ga themphereithshara kgonagalo ya tsibogo ya bayotiki. Dihhekatshoko tsa bayoloji tse di atanegisitsweng. Thagisa tekolo ya motheo.	
	Okosijene e e thalogileng			Boleng jwa bo5 go nna>6.1mg/L. Go thagisa tekolo ya motheo mabapi le sedirisiwa se.	
	Tebiditi (NTU)	Se se seng sentle ka nthla dipula tse dintsi.		Thagisa tekolo ya motheo mabapi le se Sedirisiwa se le go thokomela sekgala se se magareng.	
Didirisiwa tsa tsibogo	Go tsenngwa ga mollakase	Karolo ya=C		Boleng jwa bo95 go nna<85mS/m	
	Chla: pherifione	Karolo ya =C. Thathobho ya poro e kaya dikoketso tsa maatla tse di kwa godimo tsa alekale mo matlapeng le mo megobeng		Boleng jwa bo50 go nna<84mg/m ²	
	Chla: faetopolanketone			Boleng jwa bo50 go nna<30ug/L (karolo ya D)	
Diphologolo tse dintsi tse di senang lerapo la mokwatla (ASPT)		C (thuto e)		Lebelela Ecospecs mabapi le dithapi le diphologolo tse di senang lerapo la mokwatla	
Se se mabapi le bothole		Bothole go tswa mo ditirong tsa indaseteri le tiriso ya metsi a a maswe		Sekaseta fela fa e le gore dipholo tsa tekolo ba botlalo di kaya fa go na le bothata jo bo masisi e bile sebakwa se sa itsiwe. Kutlwalo e solofetse fa e le gore boleng jwa bo95 jwa tshedimosetso bo fela Boleng jwa Ditlamorago tse di Tsweleng pele (CEV) jaaka go kalle mo go DWAF (1996).	
Tse di mabapi le bothole		A		Boleng jwa bo95 go nna<15ug/L	

EW5: A23J-NOKA YA PIENAARS, Go theoga le Klipvoor Dam kwa Phakeng ya Bosetshaba ya Borakalalo

Thulaganyo ya 5.9: Dikarolo tsa PES le tshekatsheko ya bottalo ya lefelo mabapi le lefelo la EWR 5

Noka WQSU	Noka ya Pienaars 17	Dintsha tsa Tekolo ya Boleng jwa Metsi tsa DWA	
		RC	A2H013Noka ya Magalies kwa Scheepoort2002-2007(n=205)
Lefelo la EWR	EW5	PES	A2H021 Noka ya Pienaars kwa Buffelspoort 2004-2008(n=107)
Dikarolo tsa Boleng jwa Metsi		Boleng	Karolo/Tshwaelo
Matswai a a sa boleng(mg/L)	MgSO ₄	78.335	F(5)
	Na ₂ SO ₄	16.527	A(0)
	MgCl ₂	3.820	A(0)
	CaCl ₂	24.153	B(1)
Dinontsha(mg/L)	NaCl	131.982	B(1)
	PO ₄	0.598	B(1)
	TIN	0.250	A(0)
	pH(diyuniti tsa pH)	7.7-8.7	B(1)
Didirisiwa tse di bonagalang	Thempereitshara (° C)	16(n=1)	E a siama go tswa go letamo la B
	Okosijene e e Tlhaologileng (mg/L)	5.2(n=1)	
	Go tserngwa ga motlakase(mS/m)	80.8	
	Chl-a: pherifaetone (mg/m ²)	-	
Sedirisiwa tsa tsibogo	Tlhamago ya dithedi tsa setshaba - sekoro sa diphologolo tse dintsi tse di senang lerapo la mokwatla (ASPT)	5.5	D
	Sekoro sa dithapi (FRAI)	51.3%	D
	Se se mabapi le bothole	-	
	Ammonia (µg/L)	47	B(1)
Tse di mabapi le bothole	Foloraete (µg/L)	600	A(0)
Karolo ya ekholoji ya lefelo ka kakaretso		C	

Thulaganyo ya 5.10: Dikaelo tsa boleng jwa metsi mabapi le Resefe (Ecospecs tsa Boleng) mo EWR 5: Noka ya Pienaars go theoga le Klipvoor dam

NOKA	Noka ya Pienaars	DINTLHA TSA TEKOLO YA BOLENG JWA METSI				
WQSU	17	DWAWQWMS	AZH021 Noka ya Pienaars kwa Buffelspoort			
LEFELO LA EWR	EWR5	RHP	Gajaanong mafelo a a mimalwa a tekolo			
Boikanyo mo tshetshetshong ya PES		Magareng				
Dikarolo tsa Boleng jwa Metsi		Karolo ya PES	WQEcospecs	Tokafatso a e a tlhokega?	TPC	Go lekola bokgapetsakgapetsa
Matswai a a sa boleng (mg/L)	MgSO ₄		<45mg/L		Boleng jwa bo95 go nna<45mg/L	
	Na ₂ SO ₄		<20mg/L		Boleng jo bo kana ka 95 go nna<20mg/L	
	MgCl ₂		<15mg/L	N/A	Boleng jwa bo95 go nna<15mg/L	Kgwedi le kgwedi
	CaCl ₂		<57mg/L		Boleng jwa bo95 go nna<57mg/L	
	NaCl		<191mg/L		Boleng jwa bo95 go nna<191mg/L	
Dinontsha (mg/L)	SRP	Karolo=D	<0.015mg/L		50 th boleng go nna<0.015mg/L	Kgwedi le kgwedi
	TIN	Karolo ya=B	<0.25mg/L		Boleng jwa bo50 go nna<0.25mg/L	Kgwedi le kgwedi
	pH	Karolo ya=B, Bontle	Boleng jwa bo5(5.9-6.5) Boleng jwa bo95(8.0-8.8)	Ee, go thago	Boleng jwa bo5(5.9-6.5) Boleng jwa bo95(8.0-8.8)	Kgwedi le kgwedi
Didirisiwa tse di Bonagalang	Thempereitshara	Tshedimosetso e e lekanyeditsheng e bile e thlowa ke ditiro tsa tiriso ya metsi a a maswe le tiwaetisa botoropo.	Tlhokomela sekgala	N/A	Lefelo le a theoga go tswa kwa letamong se se tla bakang go se tsepame ga themphereitshara le kgonagalo ya tsibogo ya bayotiki. Dithetshetsho tsa bayoloji tse di atlanegisitsheng. Thlagisa tekolo ya motheo.	Fa dithetshetsho tsa bayotiki di dirwa
	Okosijene e e thalogileng		7-8mg/L	N/A	Boleng jwa bo5 go nna>6.1mg/L. Go thlagisa Tekolo ya motheo mabapi le sedirisiwa se.	
	Tebiditi (NTU)	Se se seng sentle ka ntlha dipula tse dintsi.	Sekgala se se mo magareng se se	N/A	Go thlagisa tekolo ya motheo mabapi le Sedirisiwa se le go tlhokomela sekgala se se magareng.	Ka kotara
	Go tsengwa ga motlakase (mS/m)	Karolo ya=C	<85mS/m	Nnyaa	Boleng jwa bo95 go nna<85mS/m	Ka kotara
Didirisiwa tsa tsibogo	Chla: pherifione	Karolo=C. Thlathobho ya pono e kaya dikoketso tsa maatla tse di kwa godimo tsa alekale mo matlapeng le mo megobeng	<84mg/m(D ² karolo ya D)	N/A	Boleng jwa bo50 go nna<84mg/m ²	Ka kotara
	Chla: faetopolanketone		<30µg/L(D karolo ya D)		Boleng jwa bo50 go nna<30µg/L	
	Diphologolo tse dintsi tse di senang lerapo la mokwatla (ASPT)	D (thuto e)				
Sekoro sa setshaba sa ditlhap		D (thuto e)				
Lebelela Ecospecs mabapi le ditlhap le diphologolo tse di senang lerapo la mokwatla						

	Se se mabapi le bothole	Bothole go tswa mo diirong tsa indaseteri le tiriso ya metsi a maswe	Sekaseka fela fa e le gore dipholo tsa tekolo ka bothalo di kaya fa go na le bothata go bo masisi e bile sebakwa se sa itsiwe. Kutlwalo e solofetswe fa e le gore boleng jwa bo95 jwa tshedimosetso bo feta Boleng jwa Dtlamorago tse di Tsweleng pele (CEV) jaaka go kalliwe mo go DWAF (1996).
Tse di mabapi le bothole	Ammonia	B	<43.75ug/L
			Boleng jwa bo95 go nna<43.75ug/L
			Kgwele le kgwele

EWR 6: A22J-NOKA YA HEX, Go tihatioga le Vaalkop Dam

Table 5.11: Dikarolo tsa PES le tshhekatsheko ya botlalo ya lefelo mabapi le lefelo la EWR 6

Noka	Noka ya Hex	Dintlha tsa Tekolo ya Boleng jwa Metsi tsa DWAF
WQSU	9	RC
Lefelo la EWR	EWR6	PES
Dikarolo tsa Boleng jwa Metsi		Boleng
Matswai a a sa boleng(mg/L)	MgSO ₄	133.123
	Na ₂ SO ₄	F(5)
	MgCl ₂	A(0)
	CaCl ₂	C(2)
	NaCl	E(4)
	PO ₄	B(1)
	TIN	E(4)
	pH(diyuniti tsa pH)	A(0)
	Thempheletshara(°C)	7.6-9.1
	Okosijene e e tlaologileng (mg/L)	2 dintlha tsa
		3 dintlha tsa tshedimosetso
	Go tsenngwa ga motlakase (mS/m)	95.3
	Chl-a: pferifitone (mg/m ²)	D(3)
Sediriwa tsa tsibogo		Ditemogo tsa pono
	Tlhamago ya ditshe di tsa setshaba- sekarolo sa dipholologo tse dintsi tse di senang lerapo la mokwatla (ASPT)	4.6
	Sekoro sa ditlhapi (FRAI)	49.1%
	Se se mabapi le bothole	D
Tse di mabapi le	Ammonia (µg/L)	-
	Foloraeta (µg/L)	138
Karolo ya ekholoji ya lefelo ka kakaretso		300
		D
		E(4)
		A(0)

Thulaganyo ya 5.12: Dikaelo tsa boleng jwa metsi mabapi le Resefe (Ecospecs tsa Boleng) mo EWR 6: Noka ya Hex go tlhatloga le Vaalkop Dam

NOKA		DINTLHA TSA TEKOLLO YA BOLENG JWA METSI		Noka ya Hex	
WQSU		9		DWAQWMS	
LEFELO LA EWR		EWR6		RHP	
Bolkanyo mo tshekatshekong ya PES		Magareng		Gajaaonng mafelo a a mmalwa a tekolo	
Dikarolo tsa Boleng jwa Metsi		Karolo ya PES		A ditokafatso di a tlhokega?	
Matswai a a sa boleng (mg/L)	MgSO ₄	WQEcospes		TPC	
	Na ₂ SO ₄	<45mg/L		Boleng jwa bo95 go nna<45mg/L	
	MgCl ₂	<20mg/L		Boleng jo bo kana ka 95 go	
	CaCl ₂	<38mg/L		Boleng jwa bo95 go nna<38mg/L	
	NaCl	<141mg/L		Boleng jwa bo95 go nna<141mg/L	
Dinotsha (mg/L)	SRP	<191mg/L		Boleng jwa bo95 go nna<191mg/L	
	TIN	<0.125mg/L		Boleng jwa bo50 go nna<0.125mg/L	
	pH	<0.25mg/L		Boleng jwa bo50 go nna<25mg/L	
Se se bonagalang Didirisiwa	Thempereitshara	Boleng jwa bo5 (5.6-5.9)		5"boleng(5.6-5.9)95 bolebg(8.8-9.2)	
	Okosijene e e tshagoleng	Boleng jwa bo95 (8.8-9.2)		Go tlhagisa tekolo ya motheo mabapi le sedirisiwa.	
	Tebiditi (NTU)	Tlhokomela sekgala		Boleng jwa bo5 go nna>6.1mg/L. Go tlhagisa tekolo ya motheo mabapi le sedirisiwa.	
	Go tsenngwa ga motlakase	7-8mg/L		Tlhagisa tekolo ya motheo mabapi le sedirisiwa se le go tlhokomela sekgala sa tllhago.	
	Chia: pherifione	Phetogo e e mo magareng e dumelelswa		Boleng jwa bo95 go nna<85mS/m	
Didirisiwa tsa tsibogo	Chia: faetopolanketone	Karolo=D		Boleng jwa bo50 go nna<84mg/m2	
	Diphologolo tse dintsi tse di senang lerapo la mokwatla (ASPT)	Karolo ya =C. Tlathlho ya pono e kaya dikoketso tsa maatla tse di kwa godimo tsa alekale mo matlapeng le mo megobeng		Boleng jwa bo50 go nna<30µg/L	
	Sekoro sa setshaba sa ditlhapi	E (thuto e)		Ka kotara	
Se se mabapi le bothole		D (thuto e)		Ka kotara	
Go lekola bokgapetsakgapetsa		Lebelela Ecospecs mabapi le ditlhapi le diphologolo tse di senang lerapo la mokwatla		Fa ditshetshetsho tsa bayotiki di dirwa	
Mabapi le kgwedi		Sekaesaka fele fa e le gore dipholo tsa tekolo ka botlalo di kaya fa go na le bothata jo bo masisi e bile sebakwa se sa itsiwe. Kutiwalo e solofetswe fa e le gore boleng jwa bo95 jwa tshedimosetso bo feta Boleng jwa Dtlamorago tse di Tswelwang pele (CEV) jaaka go kailwe mo go DWAF (1996).		Ka kotara	

Tse di mabapi le bothole	Ammonia	E	<129ug/L	Ee go D	Boleng jwa bo95 go nna<129ug/L	Kgwedi le kgwedi
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EW7: A24C-NOKA YA CROCODILE, Go tlhatloga le dikgatho le Noka ya Bierspruit

Thulaganyo ya 5.13: Dikarolo tsa PES le tshekatsheko ya bottalo ya lefelo mabapi le lefelo la EWR 7

Noka	Noka ya Crocodile	Dintlha tsa Tekolo ya Boleng jwa Metsi tsa DWA	A2H013 Noka ya Magalies kwa Scheerpoort 2004-2007 (n=205)
WQSU	21	RC	
Lefelo la EWR	EWR7	PES	A2H060 Noka ya Crocodile kwa Nootgedacht 2004-2008 (n=113)
Dikarolo tsa Boleng jwa Metsi		Boleng	Karolo/Tshwaelo
Matswai a sa boleng (mg/L)	MgSO ₄	112.138	F(5)
	Na ₂ SO ₄	12.102	A(0)
	MgCl ₂	1.507	A(0)
	CaCl ₂	20.658	A(0)
	NaCl	187.768	B(1)
Dinontsha (mg/L)	PO ₄	0.243	E(4)
	TIN	0.302	A(0)
Didirisiwa tse di bonagalang	pH(diyuniti tsa pH)	7.8-8.5	B(1)
	Thempereitshara (° C)	Thempereitshara e e tlhatlogileng ka ntsha ya dikelelo tse di kwa tlase e bile di se boteng	D(3)
	Okosijene e e tlhatlogileng (mg/L)	Go tshwana le fa godimo	
	Go tsenngwa ga motlakase (mS/m)	92.3	D(3)
Sedirisiwa tsa tsibogo	Chl-a: pherifitone (mg/m ²)	-	Kgolo ya algal mo mothabeng (temogo ya pono)
	Tlhamego ya ditshedi tsa setshaba -sekoro sa dipholologo tse di ntsi tse di senang lerapo la mokwatla (ASPT)	4.6	C
	Sekoro sa ditlhapi (FRAI)	46.2%	D
	Se se mabapi le bothole	-	
Tse di mabapi le	Ammonia (µg/L)	20	B(1)
Karolo ya ekholoji ya lefelo ka kakaretso		D	

Thulaganyo ya 5.14: Dikaelo tsa boleng jwa metsi mabapi le Resefe (Ecospecs tsa Boleng) mo EWR 7: Noka ya Crocodile go tshatloga le dikgatho le Noka ya Bierspruit

NOKA		(Bophirima) jwa Noka ya Crocodile	DINTLHA TSA TEKOLLO YA BOLENG JWA METSI	
WQSU		21	DWAQWMS	A2H060 Noka ya Crocodile kwa Nooitgedacht
LEFELO LA EWR		EWR7	RHP	Gajaaanong mafelo a a mmalwa a tekolo
Boikanyo mo tshetshetshong ya PES				
Magareng				
Dikarolo tsa Boleng jwa Metsi				
Matswai a a sa boleng (mg/L)	MgSO ₄		WQEcospes	TPC
	Na ₂ SO ₄		<45mg/L	Boleng jwa bo95 go nna<45mg/L
	MgCl ₂		<20mg/L	Boleng jo bo kana ka 95 go
	CaCl ₂		<15mg/L	Boleng jwa bo95 go nna<15mg/L
	NaCl		<21mg/L	Boleng jwa bo95 go nna<21mg/L
Dinontsha (mg/L)	SRP	Karolo=E	<191mg/L	Boleng jwa bo95 go nna<191mg/L
	TIN	Karolo ya=A	<0.125mg/L	Boleng jwa bo50 go nna<0.125mg/L
Se se bonagalang Didirisiwa	pH	Karolo ya=B, Bonite	Boleng jwa bo5(5.9-6.5)Boeng jwa bo95 (8.0-8.8)	5 Boleng (5.9-6.5) 95 Boleng (8.0-8.8)
	Thempereitshara	Tsheditimosetso e e tholwa ke ditiro tsa tiriso ya metsi a a maswe le tlwaetisa botoropo.	Thokomela sekala	Go thagisa tekolo ya motheo mabapi le sedirisiwa.
	Okosijene e e thalogileng		7-8mg/L	Boleng jwa bo5 go nna>6.1mg/L. Go thagisa tekolo ya motheo mabapi le sedirisiwa.
	Tebiditi (NTU)	Se se seng sentle ka ntsha dipula tse dintsi.	Sekgala se se mo magareng se se dumeletsweng	Go thagisa tekolo ya motheo mabapi le Sedirisiwa se se go thokomela
	Go tseningwa gamolakase	Karolo=D	<85mS/m	Boleng jwa bo95 go nna<85mS/m
Didirisiwa tsa tsibogo	Chla: pheritone	Karolo ya =C. Tlathobho ya pono e kaya dikoketso tsa maatla tse di kwa godimo tsa alekale mo matlapeng le mo megobeng	<84mg/m ² (karolo ya D)	Boleng jwa bo50 go nna<84mg/m ²
	Chla: faetopolanketone		<30µg/L (karolo ya D)	Boleng jwa bo50 go nna<30µg/L
	Diphologolo tse dintsi tse di senang lerapo la mokwatla (ASPT)	E (thuto e)		
	Sekoro sa setshaba sa ditlhapi	D (thuto e)		
	Se se mabapi le bothole	Bothole go tsawa mo ditirong tsa indaseteri le tsa tiriso ya metsi a a maswe		
			Lebelela Ecospecs mabapi le ditlhapi le diphologolo tse di senang lerapo la mokwatla	
			Sekaseka fela fa e le gore dipholo tsa tekolo ka bottlalo di kaya fa go na le bothata jo bo masisi e bile sebakwa se sa itsiwe. Kutlwalo e solofetswe fa e le gore boleng jwa bo95 jwa tshedimosetso bo fela Boleng jwa Ditlamorago tse di Tswelelang pele (CEV) jaaka go kailwe mo go DWAF (1996).	

Tse di mabapi le bothole	Ammonia	B	≤44ug/L	Ee go D	Boleng jwa bo95 go nna<44ug/L	Kgwedi le kgwedi
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EW8: A24J-NOKA YA CROCODILE, Go theoga le dikgatho le Noka ya Bierspruit

Thulaganyo ya 5.15: Dikarolo tsa PES le tshekatsheko ya bottalo ya lefelo mabapi le lefelo la EWR 8

Noka WQSU	Noka ya Crocodile 24	Dintlha tsa Tekolo ya Boleng jwa Metsi tsa DWA A2H013 Noka ya Magalies kwa Scheerpoort 2002- 2007(n=205)
Lefelo la EWR	EW8	PES
Dikarolo tsa Boleng jwa Metsi		A2H116 Haakdoordrifting lebotakganelo la Paul HugoDam2003-2008(n=104)
Matswai a a sa boleng (mg/L)		Karolo/Tshwaelo
	MgSO ₄	113.147 F(5)
	Na ₂ SO ₄	10.358 A(0)
	MgCl ₂	2.622 A(0)
	CaCl ₂	38.530 B(1)
	NaCl	180.659 B(1)
Dinontsha (mg/L)	PO ₄	0.107 D(3)
	TIN	0.187 A(0)
Didirisiwa tse di bonagalang	pH (diyuniti tsa pH)	7.7-8.6 B(1)
	Thempereitshara (°C)	1record B(1)
	Okosijene e e Tlhaologileng (mg/L)	1record
Sedirisiwa tsa tsibogo	Go tsenngwa ga motlakase (mS/m)	91 D(3)
	Chl-a: pherifaetone (mg/m2)	Temogo ya pono: ga go na malele
	Thamego ya ditshe di tsa setshaba- sekoro sa diphologolo tse dintsi tse di senang lerapo la mokwatla (ASPT)	4.39 C
	Sekoro sa ditlhapi (FRAI)	54.7% C/D
Tse di mabapi le	Se se mabapi le bothole	-
Karolo ya ekholoji ya lefelo ka kakaretso	Ammonia (µg/L)	25 B(1)
		C/D

Thulaganyo ya 5.16: Dikaelo tsa boleng jwa metsi mabapi le Resefe (Ecospecs tsa Boleng) mo EWR 8: Noka ya Crocodile go theoga le dikgatho le Bierspruit

NOKA		(Bophirima) jwa Noka ya Crocodile		DINTLHA TSA TEKOLO YA BOLENG JWA METSIWA		
WQSU		24	DWAQWMS	A2H116 Noka ya Crocodile kwa Haakdooringdrift go theoga le dikgatho		
LEFELO LA EWR		EW8	RHP	Gajaanong mafelo a a mmalwa a tekolo		
Boikanyo mo tshetatshekong ya PES						
Magareng						
Karolo ya PES						
		WQEcospes	Tokafatso a e a	TPC	Tekolo kgapetsakgapetsa	
Matswai a a sa boleng (mg/L)	MgSO ₄	<45mg/L			Boleng jwa bo85 go nna<45mg/L	
	Na ₂ SO ₄	<20mg/L			Boleng jo bo kana ka 95 go nna<20mg/L	
	MgCl ₂	<15mg/L	N/A		Boleng jwa bo85 go nna<15mg/L	
	CaCl ₂	<57mg/L			Boleng jwa bo85 go nna<57mg/L	
	NaCl	<191mg/L			Boleng jwa bo85 go nna<191mg/L	
Dinontsha (mg/L)	SRP	<0.125mg/L	Ee, go C		Boleng jwa bo50 go nna<0.125mg/L	
	TIN	<0.25mg/L			Boleng jwa bo50 go nna<0.25mg/L	
	pH	Boleng jwa bo5(5.9-6.5)Boeng jwa bo95 (8.0-8.8)	N/A	3 th Boleng (5.9-6.5) 4 th Boleng(8.0-8.8)	Boleng jwa bo50 go nna<8.0 th	
Se se bonagalang Didirisiwa	Thempereitshara	Tshokomela sekgala	N/A		Go tthagisa tekolo ya motheo mabapi le sedirisiwa.	
	Okosijene e e tshagoleng	7-8mg/L	N/A		Boleng jwa bo5 go nna>6.1mg/L. Go tthagisa	
	Tebiditi (NTU)	Sekgala se se mo magareng se se dumaleitsweng	N/A		Tekolo ya motheo mabapi le sedirisiwa se.	
	Go tsenngwa ga mollakase	Karolo=D	<85mS/m	Ee, go C	Boleng jwa bo85 go nna<85mS/m	
Didirisiwa tsa tsibogo	Chla: pheriflone	Karolo=C.			Boleng jwa bo50 go nna<84mg/m2	
	Chla: faetopolanketone	Tshathobo ya pono e kaya dikoketso tsa maatla tse di kwa godimo tsa alekale mo mallapeng le mo megobeng			Boleng jwa bo50 go nna<30µg/L	
	Diphologolo tse dintsi tse di senang lerapo la mokwatla (ASPT)	E (thuto e)				
Lebelela Ecospecs mabapi le dithapi le diphologolo tse di senang lerapo la mokwatla						
Tse di mabapi le bothole	Sekoro sa setshaba sa dithapi	C/D (thuto e)				
	Se se mabapi le bothole	Bothole go tswa mo ditrong tsa indasteri le tsa tiriso ya metsi a a maswe				
	Ammonia	B		Ee go D	Boleng jwa bo95 go nna<44ug/L	
Kgweidi le kgweidi						

MAR EWR1: A31A-Kaaloog se Loop, kwa tlase ga pharagathiha, pele ga dikgathiho le Noka ya Marico

Thalaganyo ya 5.17: Dikarolo tsa PES le tshakatsheko ya botlalo ya lefelo mabapi le lefelo la Mar EWR 1

Noka	Kaaloog se Loop	Dintsha tsa Tekolo ya Boleng	
WQSU	1	RC	A2H036 Steenbokfontein mo Nokeng ya Koster 2003-2007 (n=97)
Lefelo la EWR	MAR EWR 1	PES	188041 Rietspruit kwa Bridge mo Kaaloog se Loop 2004-2008 (n=9)
Dikarolo tsa Boleng jwa Metsi		Boleng jwa	Karolo/Tshwaelo
Matswai a a sa boleng(mg/L)			Tshedimosetso e e sa lekanang mabapi le go tsamaisa TEACHA sentle. EC e ka dirisiwa jaaka sesupo sa matswai a a sa boleng mabapi le PAI
	MgSO ₄	14.765	
	Na ₂ SO ₄	0	
	MgCl ₂	3.015	
	CaCl ₂	4.978	
	NaCl	8.717	
Dinontsha(mg/L)	PO ₄	0.016	0.02 B(1)
	TIN	0.090	0.13 A(0)
Didirisiwa tse di bonagalang	pH(5 th -95 th %)	7.32-7.98	8.15-8.45 B(1)
	Thempereitšhara (°C)		9.95-19.44 A/B(0.5)
	Okosijene e e Tlhaogileng (mg/L)		4.65-13.32 A/B(0.5)
	Go tsengwa ga motlakase (mS/m)	16.58	31.06 B(1)
Sedirisiwa tsa tsibogo	Chl-a: pherifaetone (mg/m2)		
	Diphologolo tse dintsi tse di senang lerapo la mokwatla	5.8	A/B
	Sekoro sa setšhaba sa dithapi	86.3	B
	Se se mabapi le bothole		
Tse di mabapi le bothole	Ammonia (µg/L)	0.003	0.14 A(0)
	Folaraete (µg/L)	0.20	0.02 B(1)
Karolo ya ekholoji ya lefelo ka kakaretso			A/B

Thulaganyo ya 5.18: Dikaelo tsa boleng jwa metsi mabapi le Resefe (Ecospecs tsa Boleng) mo MAR EWR 1 Noka ya Kaaloog se Loop

NOKA		Noka ya Kaaloog se Loop		DINTLHA TSA TEKOTO YA BOLENG JWA METSI	
WQSU	1	EWR1	DWAQWMS	188041 Rietspruit kwa leborogong mo Kaaloog se Loop	
LEFELo LA EWR			RHP	Gajaanong mafelo a a mmalwa a tekolo	
Boikanyo mo tshetshetshong ya PES					
Dikarolo tsa Boleng jwa Metsi					
Matswai a a sa boleng (mg/L)	MgSO ₄	Karolo ya PES		WQEcospes	Tokafatso a e a
	Na ₂ SO ₄	Tshedimosetso e e sa lekanang mabapi le go tsamaisa TEACHA sentle. EC e ka dirisiwa jaaka sesupo sa matswai a a sa boleng mabapi le PAI		≤23mg/L	Boleng jwa bo95 go
	MgCl ₂			≤33mg/L	Boleng jwa bo95 go
	CaCl ₂			≤30mg/L	Boleng jwa bo95 go
	NaCl			≤57mg/L	Boleng jwa bo95 go
Dinontsha (mg/L)	SRP	Karolo ya=B		≤191mg/L	Boleng jwa bo95 go
	TIN	Karolo ya=A		<0.015mg/L	Boleng jwa bo95 go
	pH	Noka e e mo magareng		<0.75mg/L	Boleng jwa bo95 go
Se se bonagalang Didirisiwa	Thempereitshara	Tshedimosetso e e lekanyeditsweng e bile ga e amiwe mabapi le go thathoga		>6.5 le <8.8	Boleng jwa bo95 go nna<8.8 le kgwedi le kgwedi >6.5
	Okosijene e e thalogileng			N/A	Tlhokomela sekala sa thago
	Tebiditi (NTU)	Tebiti mogaro ga dipula tse dintsi ka ntlha ya tsa moreno wa moepo wa seleti go thathoga		N/A	Boleng jwa bo5 go nna>7mg/L
	Go tsenngwa ga motlakase (mS/m)	Karolo ya=B		N/A	Phelogo e e mo magareng e dumeletsweng
	Chla: pherifone	Tlathhobo ya pono e kaya go nna teng go lekanyeditsweng ga alekale mo matlapeng le ka mo megobeng		N/A	Boleng jwa bo95 go nna<55mS/m
Didirisiwa tsa tsibogo	Chla: faetopolanketone			≤1.7mg/m (Karolo ya A)	Boleng jwa bo50 go nna<1.7mg/m2
	Diphologolo tse dintsi tse di senang lerapo la mokwatla (ASPT)	A/B (thuto e le RHP)		≤10µg/L (Karolo ya A)	Boleng jwa bo50 go nna<10µg/L
	Sekoro sa seishaba sa dithapi	B (thuto e)		Lebelela Ecospecs mabapi le dithapi le diphologolo tse di senang lerapo la mokwatla	
Tse di mabapi le bothole	Se se mabapi le bothole	Ga go na bothole		Sekaseka fela fa e le gore dipholo tsa tekolo ka bottalo di kaya fa go na le bothata jo bo masisi e bile sebakwa se sa itsiwe.	
	Ammonia	A		≤15µg/L	Boleng jwa bo95 go nna<15µg/L
					Kgwedi le kgwedi

MAR EWR2: A31B-Noka ya Groot Marico go Tlhatloga le dikgatho tsa Sterkstroom

Thulaganyo ya 5.19: Dikarolo tsa PES le tshekatsheko ya botlalo ya lefelo mabapi le lefelo la Mar EWR 2

Noka	Groot Marico	Dintlha tsa Tekolo ya Boleng		
WQSU	1	RC	A2H036 Steenbokfontein mo Nokeng ya Koster 2003-2007 (n=97)	
Lefelo la EWR	MAR EWR 2	PES	188035 Koedoesfontein mo Nokeng ya Groot-Marico 2004-2008 (n=9)	
Dikarolo tsa Boleng jwa Metsi		Boleng jwa RC	Boleng jwa	Karolo/Tshwaelo
Matswai a sa boleng (mg/L)	MgSO ₄	14.765		Tshedimosetso e e sa lekanang mabapi le go tsamaisa TEACHA sentle. EC e ka dirisiwa jaaka sesupo sa matswai a a sa boleng mabapi le PAI
	Na ₂ SO ₄	0		
	MgCl ₂	3.015		
	CaCl ₂	4.978		
	NaCl	8.717		
Dinontsha (mg/L)	PO ₄	0.016	0.02	B(1)
	TIN	0.090	0.11	A(0)
	pH(5 th -95 th %)	7.32-7.98	8.02-8.38	B(1)
	Thempereitshara (°C)		11.95-22.65	B(1)
	Okosijene e e Tlhaoligileng (mg/L)		2.09-8.83	B(1)
Sedirisiwa tsa tsibogo	Go tsengwa ga motlakase (mS/m)	16.58	34.1	B(1)
	Chl-a: pherifaeone (mg/m ²)			
	Diphologolo tse dintsi tse di senang lerapo la mokwatla			A/B
	Sekoro sa setshaba sa diithapi			B
	Se se mabapi le bothole			
Tse di mabapi le	Foloraete (µg/L)	0.20	0.02	A(0)
Karolo ya ekholoji ya lefelo ka kakaretso				B

Thulaganyo ya 5.20: Dikaelo tsa boleng jwa metsi mabapi le Resefe (Ecospecs tsa Boleng) mo MAR EWR 2

NOKA		Marico	DINTLHA TSA TEKOLLO YA BOLENG JWA METSI		
WQSU	1		DWAQWMS	188035 Koedoesfontein mo Nokeng ya Groot-Marico 2004-2008 (n=9)	
LEFELO LA EWR		MAR EWR2	RHP	Gajaaonong mafelo a a mmalwa a tekolo	
Boikanyo mo tshekatshekong ya PES		Botlase			
Dikarolo tsa Boleng jwa Metsi		Karolo ya PES	WQEcospes	Tokafatso a e a	TPC
Matswai a sa boleng (mg/L)	MgSO ₄	Tshedimosetso e e sa lekanang mabapi le go tsamaisa TEACHA sentle. EC e ka dirisiwa jaaka sesupo sa matswai a a sa boleng mabapi le PAI	≤23mg/L		Boleng jwa bo95 go
	Na ₂ SO ₄		≤33mg/L		Boleng jwa bo95 go
	MgCl ₂		≤30mg/L	N/A	Boleng jwa bo95 go
	CaCl ₂		≤57mg/L		Boleng jwa bo95 go
	NaCl		≤191mg/L		Boleng jwa bo95 go
Dinontsha (mg/L)	SRP	Karolo ya= B	<0.015mg/L	Nnyaa	Boleng jwa bo50 go
	TIN	Karolo ya=A	<0.75mg/L	Nnyaa	Boleng jwa bo50 go
	pH	Noka e e mo magareng	>6.5 le <8.8	Nnyaa	Boleng jwa bo95 go nna<8.8 Kgwedi le kgwedi le >6.5
Se se bonagalang Didirisiwa	Thempereitshara	Tshedimosetso e e lekanyeditsweng ga e amiwe ke ditiro tsa go tlhatloga	Tlhokomela sekgala	N/A	Tlhokomela sekgala sa tlhatloga
	Okosijene e e thalogileng		7-8mg/L	N/A	Boleng jwa bo5 go nna>7mg/L
	Tebiditi (NTU)	Tebiti mogaro ga dipula tse dintsi ka ntlha ya tsa morero wa moepo wa seleti go tlathloga	Sekgala se se mo magareng se se dumeletsweng	N/A	Phetogo e e mo magareng e dumeletsweng
	Go tsengwa ga motlakase (mS/m)	Karolo ya= B	≤55mS/m	Nnyaa	Boleng jwa bo95 go nna<55mS/m
Didirisiwa tsa tsibogo	Chla: pheritone	Tlathlho ya pono e kaya go nna teng go lekanyeditsweng ga alekale mo matlapeng le ka mo megobeng	≤1.7mg/m ² (Karolo ya A)	N/A	Boleng jwa bo50 go nna<1.7mg/m ²
	Chla: faetopolanketone		≤10µg/L (Karolo ya A)		Boleng jwa bo50 go nna<10µg/L
	Diphologolo tse dintsi tse di senang lerapo la mokwatla (ASPT)	A/B (thuto e)	Lebelela Ecospecs mabapi le ditlhapo le diphologolo tse di senang lerapo la mokwatla		
	Sekoro sa setshaba sa ditlhapo	B/C (thuto e)			
Tse di mabapi le bothole	Se se mabapi le bothole	Ga go na bothole	Sekaseka fela fa e le gore diphologolo tsa tekolo ka bothole di kaya fa go na le bothata jo bo masisi e bile sebakwa se sa tsiwe.		
	Ammonia	A	≤15ug/L		Boleng jwa bo95 go nna<15ug/L
					Kgwedi le kgwedi

MAR EWR3: A31F-Noka ya Groot Marico go theoga ga Marico Bosveld Dam

Thulaganyo ya 5.21: Dikarolo tsa PES le tshetatsheko ya botlalo ya lefelo mabapi le lefelo la Mar EWR 3

Noka	Groot Marico	Dintlha tsa Tekolo ya Boleng jwa	Karolo/Tshwaelo
WQSU	3	RC	A2H036 Steenbokfontein mo Nokeng ya Koster 2003-2007 (n=97)
Lefelo la EWR	MAR EWR 3	PES	A3H028 Riekersdam mo kanaleng ya molema go tswa go Marico-Bosveld Dam 2002-2007 (n=141)
Dikarolo tsa Boleng jwa Metsi		Boleng jwa RC	Boleng jwa
Matswai a a sa boleng (mg/L)		14.765	17.112
	MgSO ₄	0	B(1)
	Na ₂ SO ₄	0	A(0)
	MgCl ₂	3.015	A(0)
	CaCl ₂	4.978	A(0)
	NaCl	8.717	A(0)
	PO ₄	0.016	C(2)
	TIN	0.090	B(1)
	pH(5 th -95 th %)	7.32-7.98	7.795-8.445
	Thempereitshara (°C)		B(1)
Didirisiwa tse di bonagalang	Okosijene e e Tlhaogileng (mg/L)		12.7-24.3
	Go tsenngwa ga motlakase (mS/m)	16.58	2.29-8.33
	Chi-a: pherfaetone (mg/m2)		B(1)
Sedirisiwa tsa tsibogo			37.3
	Diphologolo tse dintsi tse di senang lerapo la mokwatla		5.3
	Sekoro sa setshaba sa ditlhapi		35
	Se se mabapi le botlhole		
Tse di mabapi le botlhole	Ammonia (µg/L)	0.003	32
	Folaraete (µg/L)	0.20	0.2
Karolo ya ekholoji ya lefelo ka kakaretso			B/C

Thulaganyo ya 5.22: Dikaelo tsa boleng jwa metsi mabapi le Resefe (Ecospecs tsa Boleng) mo MAR EWR 3

NOKA		Marico	DINTLHA TSA TEKOLYO YA BOLENG JWA METSI			
WQSU		3	DWAQWMS	A3H028 Riekersdam mo kanaleng ya molena go tswa go Marico-Bosveld Dam 2002-2007 (n=141)		
LEFELO LA EWR		MAR EWR3	RHP	Gajanonong mafelo a a mmaliwa a tekolo		
Boikanyo mo tshetatshekong ya PES		Magareng				
Dikarolo tsa Boleng jwa Metsi		Karolo ya PES	WQEsospecs	Tokafatso a e a	TPC	Tekolo kgapetsakgapetsa
Matswai a a sa boleng (mg/L)	MgSO ₄		≤23mg/L		Boleng jwa bo95 go nna<23mg/L	
	Na ₂ SO ₄	A/B	≤20mg/L	N/A	Boleng jo bo kana ka 95 go	Kgwedi le kgwedi
	MgCl ₂		≤15mg/L		Boleng jwa bo95 go	
	CaCl ₂		≤21mg/L		Boleng jwa bo95 go nna<21mg/L	
	NaCl		≤45mg/L		Boleng jwa bo95 go	
Dinontsha (mg/L)	SRP	Karolo ya= C	<0.015mg/L	Ee go D	Boleng jwa bo50 go nna<0.025mg/L	Kgwedi le kgwedi
	TIN	Karolo ya=B	<0.75mg/L	Ee go D	Boleng jwa bo50 go	Kgwedi le kgwedi
	pH	Bontle	>6.5 le <8.8	Nyaa	Boleng jwa bo95 go nna<8.8 le kgwedi le kgwedi >6.5	Kgwedi le kgwedi
Se se bonagalang Didirisiwa	Thempereitshara	Tshedimosetso e e lekanyeditsweng e bile e amiwa ke Marico Bosveld Dam	Thokomela sekgala	N/A	Thokomela sekgala sa tihago	Kgwedi le kgwedi
	Okosijene e e ithaologileng		7-8mg/L	N/A	Boleng jwa bo5 go nna>7mg/L	Kgwedi le kgwedi
	Tebiditi (NTU)	Tebiti mogaro ga dipula tse dintsi ka ntsha ya tsa morero wa moepo wa seleiti go tshatloga	Sekgala se se mo magareng se se dumeletsweng	N/A	Phetogo e e mo magareng e dumeletsweng	Kgwedi le kgwedi
	Go tsenngwa ga motlakase (mS/m)	Karolo ya= B	≤55mS/m	Nyaa	Boleng jwa bo95 go nna<85mS/m	Ka kotara
Didirisiwa tsa tsibogo	Chla: pheritane	Karolo=C. Tshatloga ya pono e kaya go nna teng go go kwa godimo ga alekale mo matlapeng le ka mo megobeng ka ntsha ya go gogiwa ga metsi ka ngwaga ka mokgwa wa tihago ga temothuo go go tshatlogang	≤84mg/m ² (karolo ya D)	N/A	Boleng jwa bo50 go nna<84mg/m ²	Ka kotara
	Chla: faetopolanketone		≤30µg/L (karolo ya D)		Boleng jwa bo50 go nna<30µg/L	
	Diphologolo tse dintsi tse di senang lerapo la mokwatla (ASPT)	C (thuto e)	Lebelela Ecospecs mabapi le ditlhapo tse di senang lerapo la mokwatla			
	Sekoro sa setshaba sa ditlhapo	D (thuto e)				
Tse di mabapi le bothole	Se se mabapi le bothole	Bothole go tswa mo go gogieng ga metsi ka ngwaga ka mokgwa wa tihago ga temothuo go go tshatlogang	Sekaseka fela fa e le gore dipholo tsa tekolo ka bottalo di kaya fa go na le bothata jo bo masisi e bile sebakwa se sa itsiwe.			
	Ammonia	B	≤43.7µg/L	Ee go D	Boleng jwa bo95 go nna<43.7µg/L	Kgwedi le kgwedi

MAR EWR4: A32D-Noka ya Groot Marico go theoga le lebotakganelo la Tswasa, kwa Lefelong la Diphologolo la Madikwe

Thulaganyo ya 5.23: Dikarolo tsa PES le tshetshetsho ya botlalo ya lefelo mabapi le lefelo la Mar EWR 4

Noka	Groot Marico	Dintlha tsa Tekolo ya Boleng jwa	AZH036 Steenbokfontein mo Nokeng ya Koster 2003-2007 (n=97)
WQSU	9	RC	
Lefelo la EWR	MAR EWR 4	PES	A3H040 Noka ya Marico kwa lebotakganelong la Mooiplaats/Tzwasa 2002-2007 (n=181)
Dikarolo tsa Boleng jwa Metsi			
Matswala a sa boleng (mg/L)	MgSO ₄	Boleng jwa RC	Boleng jwa
	Na ₂ SO ₄	14.765	32.787
	MgCl ₂	0	0
	CaCl ₂	3.015	5.949
	NaCl	4.978	5.903
Dinontsha (mg/L)	PO ₄	8.717	8.698
	TIN	0.016	0.018
	pH(5 th .95 th %)	0.090	0.08
	Thempereitshara (°C)	7.32-7.98	8.025-8.524
	Okosijene e e Tlhaogile (mg/L)		14.5-26.5
Sediriwa tsa tsibogo	Go tsengwa ga motlakase (mS/m)		5.5-11.4
	Chl-a: pherifetone (mg/m ²)	16.58	54.2
	Diphologolo tse dintsi tse di senang lerapo la mokwatla		4.5
	Sekoro sa setshaba sa ditlhapi		61.8
	Se se mabapi le botlhole		
Tse di mabapi le botlhole	Ammonia (µg/L)	0.003	0.003
	Folaraete (µg/L)	0.20	0.6
Karolo ya ekholoji ya lefelo ka kakaretso		B	

Thulaganyo ya 5.24: Dikaelo tsa boleng jwa metsi mabapi le Resefe (Ecospecs tsa Boleng) mo MAR EWR 4

NOKA	Marico	DINTLHA TSA TEKOLLO YA BOLENG JWA METSI			
WGSU	9	DWAQWMS	A3H040 Noka ya Marico kwa lebotakganelong la Mooiplaats/Tzwasa 2002-2007 (n=181)		
LEFELO LA EWR	MAR EWR4	RHP	Gajaanong mafele a a mmalwa a tekolo		
Boikanyo mo tshetshetshong ya PES	Magareng				
Dikarolo tsa Boleng jwa Metsi	Karolo ya PES	WQEcospes	Tokafatso a e a	TPC	Tekolo kgapetsakgapetsa
MgSO ₄		≤15mg/L		Boleng jwa bo95 go nna<15mg/L	
Na ₂ SO ₄		≤20mg/L	N/A	Boleng jo bo kana ka 95 go	Kgwedi le kgwedi
MgCl ₂	A/B	≤15mg/L		Boleng jwa bo95 go	
CaCl ₂		≤21mg/L		Boleng jwa bo95 go nna<21mg/L	
NaCl		≤45mg/L		Boleng jwa bo95 go	
SRP	Karolo ya=B/C	≤0.125mg/L	Ee go D	Boleng jwa bo50 go nna<0.125mg/L	Kgwedi le kgwedi
TIN	Karolo ya=A	≤0.25mg/L	Ee go D	Boleng jwa bo50 go	Kgwedi le kgwedi
pH	Karolo ya=B, Bonile	>5.9 le <8.8	Nnyaa	Boleng jwa bo95 go nna<8.8 le >5.9	Kgwedi le kgwedi
Thempereitshara	Tshedimosetso e e lekanyeditsweng e bile e amiwa ke go gapiwa go go tthatlogang	Thokomela sekgala	N/A	Thokomela sekgala sa thago	Kgwedi le kgwedi
Okosijene e e tthatlogang		7-8mg/L	N/A	Boleng jwa bo5 go nna>7mg/L	Kgwedi le kgwedi
Tebiditi (NTU)	Tebiti morago ga dipula tse dintsi	Sekgala se se mo magareng se se dumeletsweng	N/A	Phetogo e e mo magareng e dumeletsweng	Kgwedi le kgwedi
Go tsemngwa ga motlakase (mS/m)	Karolo ya= B	≤55mS/m	Nnyaa	Boleng jwa bo95 go nna<55mS/m	Ka kotara
Chia: pherfione	Thathobho ya pno e kaya go nna teng go go kwa llase ga alekale mo matlapeng le ka mo megobeng	≤12mg/m ² (Karolo ya B)	N/A	Boleng jwa bo50 go nna<12mg/m ²	Ka kotara
Chia: faetopolanketone		≤15µg/L (Karolo ya B)		Boleng jwa 50 go nna<15µg/L	
Didirisiwa tsa tsibogo	Diphologolo tse dintsi tse di senang lerapo la mokwatla (ASPT)				
	Sekoro sa setshaba sa dithapi				
Se se mabapi le bothole	Bothole jo bo lekanyeditsweng go tsa mo go tswaetseng botoropo go go tthatlogang, mo dithirong tsa tiriso ya metsi a a maswe le go gogiwa ga metsi ka ngwaga ka mokgwa wa tthatlo ga temothuo				
Tse di mabapi le bothole	Ammonia	≤15µg/L		Boleng jwa bo95 go nna<15µg/L	Kgwedi le kgwedi

6. KAROLO - YA BONTSI JWA METSI A KA FA TLASE GA LEFATSHE

Thulaganyo ya 6.1: Thempoleite ya Dikgato tse di Kaelwang ke Motswedi wa Metsi a ka fa tlase ga Lefatshe (GRDM)

Bodutelo jwa Kwatenari	Lefelo(km ²)	Go neela maatla (Mm ³ /a)	Setšhaba (Ditirelo tsa Metsi) 2011)	Kelelo ya motheo (Mm ³ /a)	MLF_EWR (Mm ³ /a)	Resefe ya BHN (Mm ³ /a)	Resefe (Mm ³ /a)	Resefe jaka % ya Go neela maatla	Tiriso ya Gajaanong ya Metsi a ka fa Tlase ga Lefatshe (Mm ³ /a)	Tshupane ya Kgatelelo
A10A	559	8.81	49366	0.00	0.35	0.45	0.80	9.08	1.37	0.16
A10B	1015	12.56	25432	0.00	0.85	0.23	1.08	8.60	1.32	0.11
A10C	271	3.58	4099	0.00	0.19	0.04	0.23	6.42	0.85	0.24
A21A	483	27.641	151332	0.54	2.51	1.38	3.89	14.08	20.35	0.74
A21B	527	30.215	758882	0.32	1.60	6.92	8.52	28.21	11.58	0.38
A21C	761	18.684	545170	1.04	5.90	4.97	10.87	58.20	1.17	0.06
A21D	372	19.655	210207	1.51	4.20	1.92	6.12	31.13	11.53	0.59
A21E	290	9.207	15659	0.41	2.49	0.14	2.63	28.60	0.77	0.08
A21F	1,000	47.399	9362	1.26	3.10	0.09	3.19	6.72	33.62	0.71
A21G	161	6.238	110652	1.74	5.23	1.01	6.24	100.03	0.49	0.08
A21H	514	20.892	45327	2.56	3.67	0.41	4.08	19.55	3.23	0.15
A21J	1,150	29.893	133204	0.29	2.02	1.22	3.24	10.82	14.10	0.47
A21K	864	23.279	88100	1.51	2.87	0.80	3.67	15.78	13.54	0.58
A21L	213	4.497	43	0.16	0.19	0.00	0.19	4.23	0.61	0.14
A22A	706	21.318	40641	0.35	1.20	0.37	1.57	7.37	1.87	0.09
A22B	284	9.365	40288	0.19	0.66	0.37	1.03	10.97	1.80	0.19
A22C	515	17.303	40288	0.00	1.30	0.37	1.67	9.64	1.03	0.06
A22D	541	14.177	40288	0.10	0.60	0.37	0.97	6.83	4.02	0.28
A22E	812	19.386	6427	0.16	1.41	0.06	1.47	7.58	1.90	0.10
A22F	1,688	35.691	130476	0.95	2.25	1.19	3.44	9.64	4.02	0.11
A22G	499	17.989	846	0.35	1.00	0.01	1.01	5.60	1.46	0.08
A22H	579	15.612	230416	0.06	0.36	2.10	2.46	15.77	6.16	0.39
A22J	592	8.518	39935	0.22	0.81	0.36	1.17	13.79	2.20	0.26
A23A	682	28.30	391615	13.45	4.10	3.57	7.67	27.10	12.77	0.45
A23B	814	10.502	36522	0.28	2.00	0.33	2.33	22.22	1.45	0.14
A23C	491	6.2	2308	0.10	0.74	0.02	0.76	12.28	0.79	0.13
A23D	252	18.726	125166	1.77	2.43	1.14	3.57	19.08	13.73	0.73
A23E	490	6.28	75096	0.06	1.51	0.69	2.20	34.96	3.10	0.49
A23F	565	6.476	361907	0.28	0.69	3.30	3.99	61.65	0.74	0.11
A23G	951	20.58	75670	0.82	0.82	0.69	1.51	7.34	10.89	0.53
A23H	1,058	28.124	14570	0.13	2.20	0.13	2.33	8.30	2.59	0.09
A23J	930	6.782	647955	0.82	1.56	5.91	7.47	110.18	0.43	0.06
A23K	1,131	10.964	452332	0.13	1.20	4.13	5.33	48.59	0.50	0.05
A23L	329	3.074	4423	0.35	0.60	0.04	0.64	20.83	0.62	0.20

Bodutelo jwa Kwatenari	Lefelo(km ²)	Go neela maatla (Mm ³ /a)	Setšhaba (Ditirelo tsa Metsi) 2011)	Kelelo ya motheo (Mm ³ /a)	MLF_EWR (Mm ³ /a)	Resefe ya BHN (Mm ³ /a)	Resefe (Mm ³ /a)	Resefe Jaka % ya Go neela maatla	Tiriso ya Gajaanong ya Metsi a a ka fa Tiase ga Lefatshe (Mm ³ /a)	Tshupane ya Kgatelelo
A24A	493	5.73	8153	0.92	0.95	0.07	1.02	17.88	2.91	0.51
A24B	709	18.594	732	0.22	1.10	0.01	1.11	5.95	1.05	0.06
A24C	801	20.297	25539	0.13	0.07	0.23	0.30	1.49	11.18	0.55
A24D	1,327	20.547	50853	0.00	1.43	0.46	1.89	9.22	1.46	0.07
A24E	688	10.585	42926	0.00	0.73	0.39	1.12	10.60	0.01	0.00
A24F	591	12.09	25539	0.00	0.68	0.23	0.91	7.55	6.04	0.50
A24G	735	24.662	25539	0.35	2.12	0.23	2.35	9.54	0.36	0.01
A24H	1,338	37.309	56281	1.86	1.35	0.51	1.86	4.99	4.21	0.11
A24J	2,516	35.192	3778	0.60	1.71	0.03	1.74	4.96	39.50	1.12
A31A	632	16.878	9106	6.00	1.83	0.08	1.91	11.33	3.64	0.22
A31B	596	15.928	1390	6.00	3.02	0.01	3.03	19.04	2.68	0.17
A31C	1,485	15.045	2597	1.00	0.32	0.02	0.34	2.28	3.77	0.25
A31D	704	20.906	15615	1.00	0.55	0.14	0.69	3.31	3.42	0.16
A31E	601	17.336	936	2.00	1.25	0.01	1.26	7.26	0.81	0.05
A31F	702	22.388	24060	2.00	0.90	0.22	1.12	5.00	2.13	0.10
A31G	1,425	24.094	46990	4.00	3.17	0.43	3.60	14.94	0.67	0.03
A31H	684	15.299	32553	0.00	0.64	0.30	0.94	6.12	0.45	0.03
A31J	844	18.52	536	0.00	0.31	0.00	0.31	1.70	0.27	0.01
A32A	472	5.425	9952	0.00	0.18	0.09	0.27	4.99	0.04	0.01
A32B	641	14.587	5439	0.00	0.47	0.05	0.52	3.56	0.05	0.00
A32C	902	17.582	77	0.00	0.59	0.00	0.59	3.36	0.00	0.00
A32D	843	14.373	1538	0.00	0.59	0.01	0.60	4.20	0.13	0.01
A32E	2,499	15.775	2776	0.00	1.66	0.03	1.69	10.68	0.60	0.04

7. KAROLO - YA BOLENG JWA METSI A KA FA TLASE GA LEFATSHE

Boleng jwa metsi a ka fa tlase ga lefatshe ka bodutelo jwa kwatenari bo ne jwa tlhomamisiwa go tswa mo diseteng tsa tshedimosetso tse di neng tsa bonwa kwa Thulaganyong ya Tsamaiso ya Metsi ya Lefapha la Metsi le Kgeleloleswe. Boleng jwa metsi a ka fa tlase ga lefatshe bo ne jwa tlhalosiwa ke dikaelo tsa boleng jwa metsi mo Thulaganyong ya 7.1 fa tlase.

Thulaganyo ya 7.1: Dikaelo tsa Boleng jwa Metsi

Bontsi jwa Khemikhale	Dikgala tsa Boleng jwa Metsi tsa Setotiwa ¹			
	Setlhophsa sa 0	Setlhophsa sa I	Setlhophsa sa II	Setlhophsa sa III
pH	6 – 9	5 – 6 & 9 – 9.5	4 – 5 & 9.5 – 10	<4 & > 10
Go tsenngwa ga motlakase	< 70	70 - 150	150 – 370	> 370
Khalesiamo jaaka Ca	< 80	80 - 150	150 – 300	> 300
Makenesiamo jaaka Mg	< 70	70 - 100	100 – 200	> 200
Sodiamo jaaka Na	< 100	100 - 200	200 – 400	> 400
Teloraete jaaka Cl	< 100	100 - 200	200 – 600	> 600
Salefeite jaaka SO ₄	< 200	200 - 400	400 – 600	> 600
Naetereite jaaka NO _x -N	< 6	6 - 10	10 – 20	> 20
Foloraete jaaka F	<0.7	0.7 – 1.0	1.0 – 1.5	> 1.5

1) Ref: Quality Domestic Water Supplies, Volume 1: Assessment Guide, 2nd Ed.1998. Water Research Commission Report No. TT 101/98. Pretoria, South Africa.

ELA TLHOKO:

Setlhophsa sa 0 Se ke boleng jwa metsi jwa maikaelelo, jo bo leng maleba go dirisiwa botshelo jotlhe, kwa ntle le ditlamorago tse di sa siamang tsa boitekanelo mo go modirisi. Setlhophsa se se tshwana thata le sekgala sa boleng jwa metsi sa setotiwa mo 2nd edition ya the South African Water Quality Guidelines for Domestic Use (DWAF, 1996).

Setlhophsa sa I Metsi mo setlhopheng se a bolokese gileng go dirisiwa botshelo jotlhe, fela a tlhabela boleng jwa metsi jwa maikaelelo ka gone go ka tswa go na le dintlha tsa ditlamorago tse di sa siamang tsa boitekanelo, fela tsona ka gale di ga se tse di tseneletseng, e bile ditlamorago tsa boitekanelo tse di sa fitlhegang ga di bonagale e bie di thata go ka supiwa. Metsi mo Setlhopheng sa I ga a bake ditlamorago tsa boitekanelo mo maemong a a siameng. Ditlamorago tse dintle di ka bonagala.

Setlhophsa sa II Metsi mo setlhopheng se a tlhalosiwa ka gore ditlamorago tsa boitekanelo tse di sa siamang ga di a tlwaelega mabapi le tiriso ya paka e khutshwane e e lekanyeditsweng. Ditlamorago tse di sa siamang tsa boitekanelo di ka nna teng thata segolobogolo ka tiriso e e tsweleng pele mo dingwageng di lw dintsi, ka tiriso ya botshelo jotlhe. Setlhophsa se se emela metsi a a maleba paka e khutshwane fela kgotsa go dirisiwa fela ka nako ya tshoganyetso, mme ga a maleba go dirisiwa ka tswelelo mo botshelong jotlhe.

Setlhophsa sa III Metsi a a na le dikarolo mo sekgaleng sa kokoanyo mo ditlamorago tse di masisi tsa boitekanelo di ka solofelwang, segolobogolo mo baneng kgotsa mo batsofeng ka tiriso ya paka e khutshwane, le ka tiriso ya paka e telele. Metsi mo setlhopheng se ga a maleba go dirisiwa jaaka metsi a a nwewang ntle le go tlhatswiwa go go lekaneng go busetsa metsi ka mo setlhopheng se se kwa tlase e bile se bolokese gile.

Thulaganyo ya 7.2: Boleng jwa Metsi a ka fa tlase ga lefatshe ka Bodutelo jwa Kwatnari

Madutelo a Kwatenari A21A, A21B, A21C & A21D														
Bontsi jwa Khemikhale	Yuniti	Nomoro. ya Disampole				Boleng jwa Tikologo jwa GW kgotsa mo magareng ¹				Resefe ya BHN ²	Resefe ya Boleng jwa Metsi a ka fa tlase ga lefatshe ³			
		A21A	A21B	A21C	A21D	A21A	A21B	A21C	A21D		A21A	A21B	A21C	A21D
pH		377	227	1510	635	7.75	7.60	6.54	7.23	5.0 – 9.5	6.98–8.53	6.84–8.36	5.89–7.19	6.51 –7.95
Go tsenngwa ga motlakase	mS/m	383	227	1501	638	25.80	51.00	198.00	66.00	<150	28.38	56.10	198.00	72.60
Khalesiamo jaaka Ca	mg/l	344	227	1294	635	25.40	47.00	198.40	59.00	<150	27.94	51.70	198.40	64.90
Makenesiamo jaaka Mg	mg/l	344	227	1295	635	15.10	31.00	94.90	28.00	<100	16.61	34.10	100.00	30.80
Sodiamo jaaka Na	mg/l	344	227	1294	638	3.00	10.00	87.30	25.00	<200	3.30	11.00	96.03	27.50
Tloraete jaaka Cl	mg/l	344	227	1331	638	3.60	12.00	70.00	14.00	<200	3.96	13.20	77.00	15.40
Salefite jaaka SO4	mg/l	344	227	1452	629	4.50	13.00	460.00	154.00	<400	4.95	14.30	460.00	169.40
Naeterite jaaka NOx-N	mg/l	343	227	1316	578	0.80	2.30	71.90	2.30	<10	0.88	2.53	71.90	2.53
Foloraete jaaka F	mg/l	344	227	520	578	0.12	0.14	0.70	0.05	<1.0	0.13	0.15	0.77	0.06
Madutelo a Kwatenari A21E, A21F, A21G & A21H														
Bontsi jwa Khemikhale	Yuniti	Nomoro. ya Disampole				Boleng jwa Tikologo jwa GW kgotsa mo magareng ¹				Resefe ya BHN ²	Resefe ya Boleng jwa Metsi a ka fa tlase ga lefatshe ³			
		A21E	A21F	A21G	A21H	A21E	A21F	A21G	A21H		A21E	A21F	A21G	A21H
pH		3	307	118	7	6.70	7.58	8.24	7.90	5.0 – 9.5	6.03–7.37	6.82–8.34	7.42–9.06	7.11 –8.69
Go tsenngwa ga motlakase	mS/m	3	324	126	7	20.10	25.60	37.00	47.10	<150	22.11	28.16	40.70	51.81
Khalesiamo jaaka Ca	mg/l	3	311	116	4	10.83	25.40	39.80	27.72	<150	11.92	27.94	43.78	30.49
Makenesiamo jaaka Mg	mg/l	3	311	116	4	4.30	15.80	24.00	22.10	<100	4.73	17.38	26.40	24.30
Sodiamo jaaka Na	mg/l	3	311	116	4	18.10	2.50	1.00	28.76	<200	19.91	2.75	1.10	31.63
Tloraete jaaka Cl	mg/l	3	311	116	4	19.73	1.50	3.70	12.89	<200	21.71	1.65	4.07	14.17
Salefite jaaka SO4	mg/l	3	311	116	4	4.47	4.80	5.05	12.23	<400	4.91	5.28	5.56	13.45
Naeterite jaaka NOx-N	mg/l	3	312	118	4	2.57	0.26	0.17	0.45	<10	2.82	0.29	0.19	0.49
Foloraete jaaka F	mg/l	–	311	116	4	–	0.10	0.12	0.29	<1.0	–	0.11	0.13	0.32

Bontsi jwa Khemikhale	Yuniti	Madutelo a Kwatenari A21J, A21K, A21L & A22A												
		Nomoro. ya Disampole				Boleng jwa Tikologo jwa GW kgotsa mo magareng ¹				Resefe ya BHN ²	Resefe ya Boleng jwa Metsi a ka fa tlase ga lefatshe ³			
		A21J	A21K	A21L	A22A	A21J	A21K	A21L	A22A		A21J	A21K	A21L	A22A
pH		150	1795	10	40	6.90	7.67	7.61	7.50	5.0 – 9.5	6.21 – 7.59	6.90 – 8.43	6.85 – 8.37	6.75 – 8.25
Go tsemgwa ga moliakase	mS/m	150	1794	10	40	179.50	330.50	31.80	32.35	<150	179.50	330.50	34.98	35.38
Khalesiamo jaaka Ca	mg/l	142	1801	9	36	72.36	234.00	32.00	5.72	<150	79.60	234.00	35.20	6.29
Makenesiamo jaaka Mg	mg/l	142	1801	9	36	97.98	158.00	6.10	22.43	<100	100.00	158.00	6.71	24.67
Sodiamo jaaka Na	mg/l	141	1800	9	36	125.30	256.96	23.46	17.56	<200	136.83	256.96	25.80	19.32
Tloraete jaaka Cl	mg/l	142	1796	9	36	199.06	370.59	5.00	5.00	<200	200.00	370.59	5.50	5.50
Salefete jaaka SO4	mg/l	141	1796	9	36	192.65	836.09	5.20	5.79	<400	211.92	836.09	5.72	6.37
Naeterite jaaka NOx-N	mg/l	142	1770	9	36	7.29	3.05	3.75	0.31	<10	8.02	3.35	4.12	0.33
Foloraete jaaka F	mg/l	142	1560	9	36	0.22	0.01	0.33	0.32	<1.0	0.24	0.011	0.37	0.35
Bontsi jwa Khemikhale	Yuniti	Madutelo a Kwatenari A22B, A22C, A22D & A22E												
		Nomoro. ya Disampole				Boleng jwa Tikologo jwa GW kgotsa mo magareng ¹				Resefe ya BHN ²	Resefe ya Boleng jwa Metsi a ka fa tlase ga lefatshe ³			
		A22B ⁴	A22C ⁴	A22D ⁴	A22E	A22B ⁴	A22C ⁴	A22D ⁴	A22E		A22B ⁴	A22C ⁴	A22D ⁴	A22E
pH		29	108	4	29	7.96	7.80	7.23	7.96	5.0 – 9.5	7.16 – 8.75	7.02 – 8.58	6.51 – 7.96	7.16 – 8.75
Go tsemgwa ga moliakase	mS/m	29	108	4	29	38.80	42.95	38.95	38.80	<150	42.68	47.25	42.84	42.68
Khalesiamo jaaka Ca	mg/l	29	101	4	29	27.40	45.50	17.20	27.40	<150	30.14	50.05	18.92	30.14
Makenesiamo jaaka Mg	mg/l	29	101	4	29	25.83	26.90	23.62	25.83	<100	28.42	29.59	25.99	28.42
Sodiamo jaaka Na	mg/l	29	101	4	29	6.80	4.44	13.58	6.80	<200	7.48	4.88	14.94	7.48
Tloraete jaaka Cl	mg/l	29	101	4	29	5.00	4.10	5.25	5.00	<200	5.50	4.51	5.78	5.50
Salefete jaaka SO4	mg/l	29	101	4	29	6.18	5.00	3.70	6.18	<400	6.80	5.50	4.07	6.80
Naeterite jaaka NOx-N	mg/l	29	101	4	29	0.56	1.04	2.01	0.56	<10	0.61	1.15	2.21	0.61
Foloraete jaaka F	mg/l	29	101	4	29	0.35	0.12	0.35	0.35	<1.0	0.38	0.13	0.39	0.38

Bontsi jwa Khemikhale	Yuniti	Madutelo a Kwatenari A22F, A22G, A22H & A22J															
		Nomoro. ya Disampole				Boleng jwa Tikologo jwa GW kgotsa mo magareng ¹				Resefe ya BHN ²		Resefe ya Boleng jwa Metsi a ka fa tlase ga lefatsh ³					
		A22F	A22G	A22H	A22J	A22F	A22G	A22H	A22J	A22F	A22G	A22H	A22J	A22F	A22G	A22H	A22J
pH		52	108	3457	25	7.88	7.80	7.64	7.94	5.0 – 9.5	7.09–8.67	6.88–8.40	7.15–8.73				
Go tsengwa ga motlakase	mS/m	52	108	3457	25	58.05	42.95	412.00	108.00	<150	63.86	47.25	412.00	118.80			
Khalesiamo jaaka Ca	mg/l	46	101	3460	20	43.75	45.50	288.84	100.68	<150	48.13	50.05	288.84	110.75			
Makenesiamo jaaka Mg	mg/l	46	101	3461	20	20.74	26.90	205.50	62.56	<100	22.81	29.59	205.50	68.82			
Sodiamo jaaka Na	mg/l	46	101	3461	20	28.27	4.44	313.50	48.37	<200	31.10	4.88	313.50	53.20			
Tloraete jaaka Cl	mg/l	46	101	3456	20	18.63	4.10	325.94	43.32	<200	20.49	4.51	325.94	47.65			
Salefite jaaka SO4	mg/l	46	101	3457	20	25.99	5.00	1169.29	46.64	<400	28.59	5.50	1169.29	51.30			
Naeterite jaaka NOx-N	mg/l	46	101	3405	20	0.24	1.04	1.00	15.95	<10	0.26	1.15	1.10	15.95			
Foloraete jaaka F	mg/l	46	101	2967	20	0.48	0.12	0.01	0.15	<1.0	0.53	0.13	0.011	0.16			
Bontsi jwa Khemikhale	Yuniti	Madutelo a Kwatenari A23A, A23B, A23C & A23D															
		Nomoro. ya Disampole				Boleng jwa Tikologo jwa GW kgotsa mo magareng ¹				Resefe ya BHN ²		Resefe ya Boleng jwa Metsi a ka fa tlase ga lefatsh ³					
		A23A	A23B	A23C	A23D	A23A	A23B	A23C	A23D	A23A	A23B	A23C	A23D	A23A	A23B	A23C	A23D
pH		148	798	83	31	7.20	7.90	7.92	7.70	5.0 – 9.5	6.48–7.92	7.11–8.93	7.13–8.71	6.93–8.47			
Go tsengwa ga motlakase	mS/m	148	817	83	31	47.00	53.00	250.00	37.20	<150	51.70	58.30	250.00	40.92			
Khalesiamo jaaka Ca	mg/l	149	757	76	31	40.00	54.00	84.06	32.20	<150	44.00	59.40	92.47	35.42			
Makenesiamo jaaka Mg	mg/l	149	758	76	31	23.00	33.00	53.15	24.00	<100	25.30	36.30	58.47	26.40			
Sodiamo jaaka Na	mg/l	149	758	74	31	16.00	4.00	371.04	4.90	<200	17.60	4.40	371.04	5.39			
Tloraete jaaka Cl	mg/l	149	758	76	31	7.00	6.00	413.64	5.30	<200	7.70	6.60	413.64	5.83			
Salefite jaaka SO4	mg/l	149	758	74	31	5.00	5.00	109.77	11.50	<400	5.50	5.50	120.74	12.65			
Naeterite jaaka NOx-N	mg/l	149	797	76	31	3.00	1.00	11.45	0.83	<10	3.30	1.10	11.45	0.91			
Foloraete jaaka F	mg/l	149	758	76	31	0.20	0.15	1.01	0.11	<1.0	0.22	0.17	1.01	0.12			

Bontsi jwa Khemikhale	Yuniti	Madutelo a Kwatenari A23E, A23F, A23G, A23H													
		Nomoro. ya Disampole				Boleng jwa Tikologo jwa GW kgotsa mo magareng ¹				Resefe ya BHN ²		Resefe ya Boleng jwa Metsi a ka fa tlase ga lefatsh ³			
		A23E	A23F	A23G	A23H	A23E	A23F	A23G	A23H	Resefe ya BHN ²		A23E	A23F	A23G	A23H
pH		988	6	266	68	7.66	7.32	7.93	8.47	5.0 – 9.5		6.89–8.43	6.59–8.05	7.14–8.72	7.62–8.47
Go tsemgwa ga motlakase	mS/m	988	6	255	68	90.80	69.55	65.30	56.70	<150		99.88	76.51	71.83	62.37
Khalesiamo jaaka Ca	mg/l	988	6	255	67	82.60	41.40	24.10	53.90	<150		90.86	45.54	26.51	59.29
Makenesiamo jaaka Mg	mg/l	988	6	258	67	51.80	35.70	6.49	28.30	<100		56.98	39.27	7.14	31.13
Sodiamo jaaka Na	mg/l	988	6	266	67	31.46	24.65	60.90	18.60	<200		34.60	27.12	66.99	20.46
Tloraete jaaka Cl	mg/l	988	6	255	67	71.25	42.60	53.55	10.10	<200		78.38	46.86	58.91	11.11
Salefite jaaka SO4	mg/l	988	6	258	67	109.50	19.65	8.90	5.10	<400		120.45	21.62	9.79	5.61
Naeterite jaaka NOx-N	mg/l	988	6	266	67	5.16	5.09	0.85	2.03	<10		5.67	5.60	0.94	2.23
Foloraete jaaka F	mg/l	988	6	258	67	0.05	0.36	0.69	0.30	<1.0		0.06	0.39	0.76	0.33
Bontsi jwa Khemikhale	Yuniti	Madutelo a Kwatenari A23J, A23K, A23L & A24A													
		Nomoro. ya Disampole				Boleng jwa Tikologo jwa GW kgotsa mo magareng ¹				Resefe ya BHN ²		Resefe ya Boleng jwa Metsi a ka fa tlase ga lefatsh ³			
		A23J	A23K	A23L	A24A	A23J	A23K	A23L	A24A	Resefe ya BHN ²		A23J	A23K	A23L	A24A
pH		127	5	21	57	8.37	8.18	8.13	7.84	5.0 – 9.5		7.53–9.21	7.36–9.00	7.32–8.95	7.06–8.62
Go tsemgwa ga motlakase	mS/m	127	5	21	57	38.40	63.00	112.40	89.90	<150		42.24	69.30	123.64	98.89
Khalesiamo jaaka Ca	mg/l	121	5	18	53	38.90	53.07	15.47	90.85	<150		42.79	58.38	17.02	99.94
Makenesiamo jaaka Mg	mg/l	122	5	18	53	23.75	16.20	2.30	52.14	<100		26.13	17.82	2.53	57.36
Sodiamo jaaka Na	mg/l	122	5	18	53	2.38	52.99	215.24	19.38	<200		2.62	58.29	215.24	21.32
Tloraete jaaka Cl	mg/l	122	5	18	53	5.00	64.79	226.96	63.96	<200		5.50	71.26	226.96	70.36
Salefite jaaka SO4	mg/l	121	5	18	53	6.70	11.90	10.43	10.60	<400		7.37	13.09	11.47	11.66
Naeterite jaaka NOx-N	mg/l	123	5	18	53	0.17	0.77	0.04	1.24	<10		0.18	0.85	0.05	1.37
Foloraete jaaka F	mg/l	121	5	21	53	0.16	1.03	8.81	0.54	<1.0		0.18	1.03	8.81	0.59

Bontsi jwa Khemikhale	Yuniti	Madutelo a Kwatenari A24B, A24C, A24D & A24E												
		Nomoro. ya Disampole				Boleng jwa Tikologo jwa GW kgotisa mo magareng ¹				Resefe ya BHN ²	Resefe ya Boleng jwa Metsi a ka fa tlase ga lefatshe ³			
		A24B	A24C	A24D	A24E	A24B	A24C	A24D	A24E		A24B	A24C	A24D	A24E
pH		36	137	24	10	7.70	7.70	8.19	7.92	5.0 – 9.5	6.93–8.47	6.93–8.47	7.37–9.01	7.13–8.71
Go tsenngwa ga motlakase	mS/m	36	137	24	10	129.15	129.00	91.25	63.00	<150	142.07	141.90	119.60	69.30
Khalesiamo jaaka Ca	mg/l	36	139	20	8	115.50	79.50	1.96	64.10	<150	127.05	87.45	2.15	70.51
Makenesiamo jaaka Mg	mg/l	36	139	20	8	85.50	58.00	129.85	34.65	<100	100.00	63.80	129.85	38.12
Sodiamo jaaka Na	mg/l	36	139	20	8	77.40	90.50	5.91	26.50	<200	85.14	99.55	6.50	29.15
Tloraete jaaka Cl	mg/l	36	139	20	8	139.30	143.10	5.25	29.79	<200	153.23	157.41	5.78	32.77
Salefite jaaka SO ₄	mg/l	36	139	20	8	63.70	68.20	4.83	22.50	<400	70.07	75.02	5.32	24.75
Naeterite jaaka NO _x -N	mg/l	36	139	20	8	8.63	3.75	1.98	14.95	<10	9.49	4.13	2.17	14.95
Foloraete jaaka F	mg/l	36	139	20	8	0.81	0.84	0.10	0.25	<1.0	0.89	0.92	0.11	0.28
Bontsi jwa Khemikhale	Yuniti	Madutelo a Kwatenari A24F, A24G, A24H & A24J												
		Nomoro. ya Disampole				Boleng jwa Tikologo jwa GW kgotisa mo magareng ¹				Resefe ya BHN ²	Resefe ya Boleng jwa Metsi a ka fa tlase ga lefatshe ³			
		A24F	A24G	A24H	A24J	A24F	A24G	A24H	A24J		A24F	A24G	A24H	A24J
pH		444	8	26	309	7.60	7.00	7.59	7.90	5.0 – 9.5	6.84–8.36	6.30–7.70	6.83–8.35	7.11–8.69
Go tsenngwa ga motlakase	mS/m	435	8	26	309	297.00	45.00	76.35	102.40	<150	297.00	49.50	83.99	112.64
Khalesiamo jaaka Ca	mg/l	434	8	26	278	152.00	41.00	44.75	62.80	<150	152.00	45.10	49.23	69.08
Makenesiamo jaaka Mg	mg/l	433	8	26	278	115.00	4.00	32.30	58.10	<100	115.00	4.40	35.53	63.91
Sodiamo jaaka Na	mg/l	446	8	26	278	305.00	33.00	38.60	62.80	<200	305.00	36.30	42.46	69.08
Tloraete jaaka Cl	mg/l	434	8	26	278	825.60	10.00	29.50	85.35	<200	825.60	11.00	32.45	93.89
Salefite jaaka SO ₄	mg/l	445	8	26	278	115.50	18.00	9.90	46.70	<400	127.05	19.80	10.89	51.37
Naeterite jaaka NO _x -N	mg/l	336	8	26	278	3.48	0.12	0.89	5.56	<10	3.82	0.13	0.98	6.12
Foloraete jaaka F	mg/l	392	8	26	278	0.21	3.00	0.67	0.68	<1.0	0.23	3.30	0.73	0.75

Bontsi jwa Khemikhale	Yuniti	Madutelo a Kwatenari A31, A31B, A31C & A31D													
		Nomoro. ya Disampole				Boleng jwa Tikologo jwa GW kgotsa mo magareng¹				Resefe ya BHN²	Resefe ya Boleng jwa Metsi a ka fa tlase ga lefatshe³				
		A31A	A31B	A31C	A31D	A31A	A31B	A31C	A31D		A31A	A31B	A31C	A31D	
pH		75	30	480	710	8.05	7.37	7.90	8.00	5.0 – 9.5	7.25–8.86	6.63–8.11	7.11–8.69	7.20–8.80	
Go tsengwa ga moliakase	mS/m	75	30	526	758	30.50	69.75	47.40	50.90	<150	33.55	76.73	52.14	55.99	
Khalesiamo jaaka Ca	mg/l	75	25	473	695	30.54	85.27	47.60	53.50	<150	33.59	93.80	52.36	58.85	
Makenesiamo jaaka Mg	mg/l	75	25	473	697	18.20	56.80	31.25	32.17	<100	20.02	62.48	34.38	35.39	
Sodiamo jaaka Na	mg/l	75	25	473	697	3.40	17.60	2.60	3.20	<200	3.74	19.35	2.86	3.52	
Teloraete jaaka Cl	mg/l	75	25	473	698	5.69	35.90	4.60	5.69	<200	6.26	39.49	5.06	6.26	
Salefite jaaka SO4	mg/l	75	25	473	697	3.00	59.33	4.50	10.10	<400	3.30	65.26	4.95	11.11	
Naeterite jaaka NOx-N	mg/l	75	25	476	695	0.23	1.64	0.21	0.31	<10	0.25	1.81	0.23	0.35	
Foloraete jaaka F	mg/l	75	25	473	682	0.10	0.26	0.19	0.23	<1.0	0.11	0.29	0.21	0.25	
Bontsi jwa Khemikhale	Yuniti	Madutelo a Kwatenari A31E, A31F, A31G & A31H													
		Nomoro. ya Disampole				Boleng jwa Tikologo jwa GW kgotsa mo magareng¹				Resefe ya BHN²	Resefe ya Boleng jwa Metsi a ka fa tlase ga lefatshe³				
		A31E	A31F	A31G	A31H	A31E	A31F	A31G	A31H		A31E	A31F	A31G	A31H	
pH		7	26	16	27	7.50	7.79	8.13	7.92	5.0 – 9.5	6.75–8.25	7.01–8.57	7.32–8.95	7.13–8.71	
Go tsengwa ga moliakase	mS/m	7	26	16	27	17.70	74.65	41.95	76.40	<150	19.47	82.12	46.15	84.04	
Khalesiamo jaaka Ca	mg/l	7	21	13	22	14.20	18.10	20.93	44.68	<150	15.62	19.91	23.02	49.15	
Makenesiamo jaaka Mg	mg/l	7	21	13	22	10.00	15.50	35.00	23.11	<100	11.00	17.05	38.50	25.42	
Sodiamo jaaka Na	mg/l	7	21	13	22	5.80	14.70	8.55	81.63	<200	6.38	16.17	9.40	89.79	
Teloraete jaaka Cl	mg/l	7	22	13	22	3.30	5.30	5.00	65.68	<200	3.63	5.83	5.50	72.24	
Salefite jaaka SO4	mg/l	7	22	13	22	2.00	9.99	3.00	10.77	<400	2.20	10.99	3.30	11.85	
Naeterite jaaka NOx-N	mg/l	7	22	13	22	0.35	2.06	0.27	8.43	<10	0.38	2.27	0.30	9.27	
Foloraete jaaka F	mg/l	7	22	13	22	0.27	0.16	0.11	0.42	<1.0	0.30	0.18	0.12	0.46	

Bontsi jwa Khemikhale	Yuniti	Madutelo a Kwatenari A31J, A32A, A32B & A32C											
		Nomoro. ya Disampole				Boleng jwa Tikologo jwa GW kgotsa mo magareng ¹				Resefe ya BHN ²		Resefe ya Boleng jwa Metsi a ka fa tlase ga lefatshe ³	
		A31J	A32A	A32B *	A32C *	A31J	A32A	A32B *	A32C *	A31J	A32A	A32B *	A32C *
pH		7	23	24	7	7.72	8.15	8.19	7.72	5.0 – 9.5	7.34–8.97	7.37–8.01	6.95–8.49
Go tsenngwa ga motlakase	mS/m	7	23	24	7	76.00	90.10	91.25	76.00	<150	99.11	119.60	83.60
Khalesiamo jaaka Ca	mg/l	5	18	20	5	46.60	25.29	1.96	46.60	<150	27.82	2.15	51.26
Makenesiamo jaaka Mg	mg/l	5	18	20	5	72.10	96.40	129.85	72.10	<100	106.04	129.85	79.31
Sodiamo jaaka Na	mg/l	5	18	20	5	27.70	23.87	5.91	27.70	<200	30.47	6.50	30.47
Tloraete jaaka Cl	mg/l	6	18	20	6	4.70	25.39	5.25	4.70	<200	27.92	5.78	5.17
Salefete jaaka SO ₄	mg/l	5	18	20	5	22.40	33.30	4.83	22.40	<400	36.63	5.32	24.64
Naetereite jaaka NO _x -N	mg/l	6	18	20	6	2.53	5.77	1.98	2.53	<10	6.35	2.17	2.78
Foloraete jaaka F	mg/l	5	18	20	5	0.18	0.19	0.10	0.18	<1.0	0.21	0.11	0.20
Bontsi jwa Khemikhale	Yuniti	Madutelo a Kwatenari A32D, A32E, A10A & A10B											
		Nomoro. ya Disampole				Boleng jwa Tikologo jwa GW kgotsa mo magareng ¹				Resefe ya BHN ²		Resefe ya Boleng jwa Metsi a ka fa tlase ga lefatshe ³	
		A32D *	A32E	A10A	A10B	A32D *	A32E	A10A	A10B	A32D *	A32E	A10A	A10B
pH		24	68	503	38	8.19	8.06	7.98	7.88	5.0 – 9.5	7.37–9.01	7.18–8.78	7.09–8.67
Go tsenngwa ga motlakase	mS/m	24	68	473	38	91.25	106.70	45.70	76.20	<150	119.60	50.27	83.82
Khalesiamo jaaka Ca	mg/l	20	63	435	31	1.96	64.97	49.10	45.20	<150	2.15	54.01	49.72
Makenesiamo jaaka Mg	mg/l	20	63	499	31	129.85	67.79	29.00	26.40	<100	129.85	31.90	29.04
Sodiamo jaaka Na	mg/l	20	63	499	31	5.91	66.66	2.40	56.41	<200	6.50	2.64	62.05
Tloraete jaaka Cl	mg/l	20	63	432	31	5.25	59.93	4.80	54.00	<200	5.78	5.28	59.40
Salefete jaaka SO ₄	mg/l	20	63	499	31	4.83	15.86	4.40	10.79	<400	5.32	4.84	11.87
Naetereite jaaka NO _x -N	mg/l	20	67	500	32	1.98	11.81	0.79	7.34	<10	2.17	0.87	8.08
Foloraete jaaka F	mg/l	20	63	499	31	0.10	0.41	0.10	0.40	<1.0	0.11	0.45	0.44

Bontsi jwa Khemikhale	Yuniti	Bodutelo jwa Kwatenari A10C			
		Nomoro. ya Disampole	Boleng jwa Tikologo jwa GW kgotsa mo magareng ¹	Resefe ya BHN ²	Resefe ya Boleng jwa Metsi a ka fa tlase ga lefatshe ³
		A10C	A10C		A10C
pH		22	7.96	5.0 – 9.5	7.16–8.75
Go tserngwa ga molakase	mS/m	22	108.60	<150	119.46
Khalesiamo jaaka Ca	mg/l	17	109.10	<150	120.01
Makenesiamo jaaka Mg	mg/l	17	89.65	<100	98.62
Sodiamo jaaka Na	mg/l	17	6.53	<200	7.18
Teloraete jaaka Cl	mg/l	17	18.91	<200	20.80
Salefete jaaka SO ₄	mg/l	17	9.12	<400	10.03
Naeterite jaaka NO _x -N	mg/l	17	8.06	<10	8.86
Foloraete jaaka F	mg/l	17	0.24	<1.0	0.26

1) Go itaagile ka tshedimosetso e e bonwang go tswa go Akeadeng ya Bontsi jwa Khemikhale a e bonwang go tswa go Akeadeng ya Bontsi jwa Khemikhale.

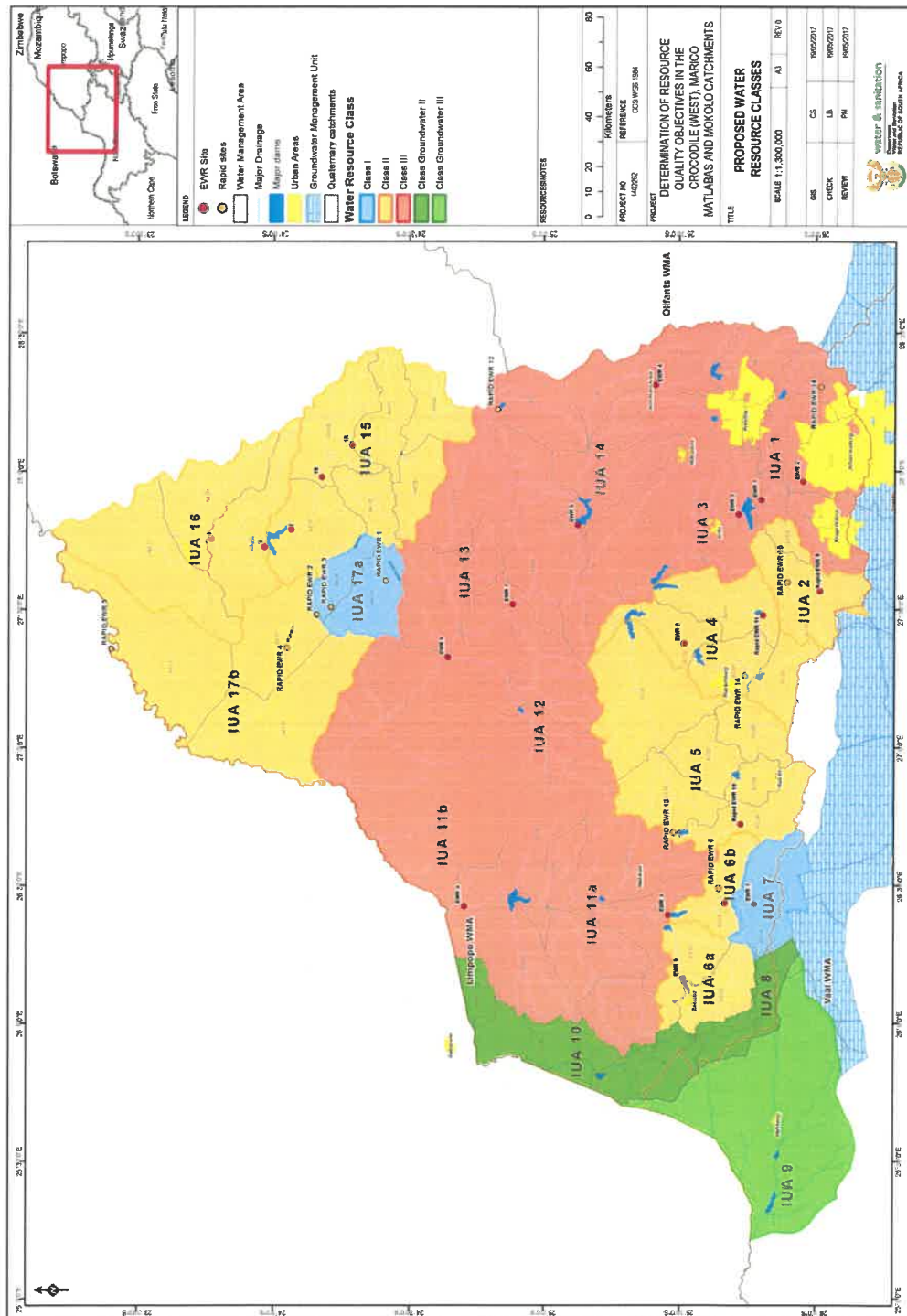
2) Ref: Quality Domestic Water Supplies, Volume 1: Assessment Guide, 2nd Ed. 1998. Water Research Commission Report No. TT 101/98. Pretoria, South Africa (Set for a Class 1).

3) Mo phatlogano mo ditheng tsa boleng jwa metsi le boleng jwa metsi a ka fa tlase ga lefatshe a tikologo le dithoko tsa motso o neng ya bonwa, ntlha e e kwa tlase kgotsa e e kwa godimo ya tshimoliso e ne ya thophiwa mabapi le Resefe ya boleng ya metsi a ka fa tlase ga lefatshe. Mo boleng jwa metsi a ka fa tlase ga lefatshe a tikologo bo ne jwa thophiwa mabapi le Resefe ya boleng ya metsi a ka fa tlase ga lefatshe.

Palogotlhe ya madutelo a le 6 a kwatenari ga a na tshedimosetso ya khemisteri ya metsi a ka fa tlase ga lefatshe, e bile a bontshitswe ka bohobu mo Thulaganyong ya 7.2 fa godimo. Boleng jwa metsi a ka fa tlase ga lefatshe a tikologo bo ne jwa balelwa go tswa kwa madutelong a kwatenari a boagisani ka jeoloji e tshwanang ka gone jeoloji e botlhokwa thata mo boleng jwa metsi jwa lefelo.

Thulaganyo ya 7.3: Tshobokanyo ya setlhophha sa boleng jwa metsi le bontsi jo bo amegang

Bodutelo jwa kwatenari	Setlhophha sa Boleng jwa Metsi (WRC, 1998)	Bontsi jo bo amegang jwa boleng jwa metsi
A10A	0	Ga go sepe
A10B	I	Ga go sepe
A10C	I	Khalesiamo, Go tsenngwa ga Motlakase, Makenesiamo, Naetereite
A21A	0	Ga go sepe
A21B	0	Ga go sepe
A21C	III	Khalesiamo, Go tsenngwa ga Motlakase, Makenesiamo, Naetereite, Salefeite
A21D	0	Ga go sepe
A21E	0	Ga go sepe
A21F	0	Ga go sepe
A21G	0	Ga go sepe
A21H	0	Ga go sepe
A21J	I	Sodiamo, Makenesiamo, Tieloraete, Naetereite, Go tsenngwa ga Motlakase
A21K	III	Salefeite, Khalesiamo, Makenesiamo, Sodiamo, Tieloraete, Go tsenngwa ga Motlakase
A21L	0	Ga go sepe
A22A	0	Ga go sepe
A22B	0	Ga go sepe
A22C	0	Ga go sepe
A22D	0	Ga go sepe
A22E	0	Ga go sepe
A22F	0	Ga go sepe
A22G	0	Ga go sepe
A22H	III	Salefeite, Go tsenngwa ga Motlakase, Khalesiamo, Makenesiamo, Sodiamo, Tieloraete,
A22J	I	Go tsenngwa ga Motlakase, Naetereite
A23A	0	Ga go sepe
A23B	0	Ga go sepe
A23C	II	Tieloraete, Go tsenngwa ga Motlakase, Foloraete, Naetereite, Sodiamo
A23D	0	Ga go sepe
A23E	I	Khalesiamo, Go tsenngwa ga Motlakase
A23F	0	Ga go sepe
A23G	0	Ga go sepe
A23H	0	Ga go sepe
A23J	0	Ga go sepe
A23K	II	Foloraete
A23L	III	Foloraete, Sodiamo, Tieloraete
A24A	I	Khalesiamo, Go tsenngwa ga Motlakase
A24B	I	Go tsenngwa ga Motlakase, Khalesiamo, Makenesiamo, Sodiamo, Tieloraete
A24C	I	Tieloraete, Foloraete, Go tsenngwa ga Motlakase
A24D	I	Makenesiamo, Go tsenngwa ga Motlakase
A24E	0	Ga go sepe
A24F	III	Tieloraete, Go tsenngwa ga Motlakase, Sodiamo, Makenesiamo, Khalesiamo
A24G	0	Ga go sepe
A24H	I	Go tsenngwa ga motlakase
A24J	I	Go tsenngwa ga motlakase
A31A	0	Ga go sepe
A31B	I	Calcium
A31C	0	Ga go sepe
A31D	0	Ga go sepe
A31E	0	Ga go sepe
A31F	I	Go tsenngwa ga motlakase
A31G	0	Ga go sepe
A31H	I	Go tsenngwa ga Motlakase, Naetereite
A31J	I	Makenesiamo, Go tsenngwa ga Motlakase
A32A	I	Makenesiamo, Go tsenngwa ga Motlakase
A32B	I	Makenesiamo, Go tsenngwa ga Motlakase
A32C	I	Makenesiamo, Go tsenngwa ga Motlakase
A32D	I	Makenesiamo, Go tsenngwa ga Motlakase
A32E	II	Naetereite



Setshwantsho sa 1: Mpepe wa lefelo wa madutelo a (Bophirima) jwa Crocodile, Marico

GENERAL NOTICES • ALGEMENE KENNISGEWINGS

DEPARTMENT OF POLICE**NOTICE 693 OF 2021****PSiRA**
Private Security Industry Regulatory Authority**GENERAL NOTICE ANNUAL FEE INCREASE****PRIVATE SECURITY INDUSTRY REGULATIONS ACT 56 OF 2001 AND SECURITY
OFFICERS ACT NO. 92 OF 1987****PUBLICATION OF AMENDMENT TO THE REGULATIONS MADE UNDER THE SECURITY
OFFICERS ACT (ACT NO. 92 OF 1987)**

The Private Security Industry Regulatory Authority, with the concurrence of the Minister of Police, under sections 43 and 44(7) of the Private Security Industry Regulation Act, 2001 (Act 56 of 2001) read with section 32(1) of the Security Officers Act, 1987 (Act 92 of 1987), hereby intend to make the Regulations in the Schedule hereto.

PRIVATE SECURITY INDUSTRY REGULATORY AUTHORITY**SCHEDULE****AMENDMENT OF THE REGULATIONS MADE UNDER THE SECURITY OFFICERS ACT, 1987 (ACT 92 OF 1987)****Definitions**

1. In this Schedule-

(a) "the Act" means the Security Officers Act, 1987 (Act 92 of 1987);

(b) "the Authority" means the Private Security Industry Regulatory Authority established in terms of section 2(1) of the Private Security Industry Regulation Act, 2001 (Act 56 of 2001) and has the same meaning as the "Board" as defined in section 1 of the Act;

(c) "the Regulations" means the regulations published by Government Notice No. R.797 in *Government Gazette* No. 12413 of 2 April 1990, as amended;

(d) "the PSIR Act" means the Private Security Industry Regulation Act, 2001 (Act No. 56 of 2001);
and

(e) "year" means a twelve-month period commencing on 1 April and ending on 31 March.

Commencement

2. The Regulations contained in this Schedule will come into effect on 01 April 2022.

Amendment of regulation 1 of the Regulations

3. Regulation 1 of the Regulations is hereby amended-

(a) by the substitution for the definition of "prescribed amount" of the following definition:

“**prescribed amount**” in regard to a security business registered as such means the sum of the applicable amounts contemplated in regulation 9 (3), and in the case of any person registered as a security officer, but not a security business, the amount contemplated in regulation 9 (4);

- (b) by the deletion of the definition of “prescribed fees”; and
- (c) by the deletion of the definition of “Registrar of the Board”.

Amendment of regulation 7 of the Regulations

4. Regulation 7 of the Regulations is hereby amended-

“Payment of prescribed amounts and related matters

- a. by the substitution for regulation (7), sub-regulation (3) (a), insertion of additional paragraphs and sub-regulations of the following sub-regulations:

7. (1) Every security business must –

- (a) on or before the 15th day of each calendar month, furnish to the Board a document signed or authenticated by a responsible person acting on behalf of such security business, being a return containing, in respect of every security officer employed, used, deployed, engaged or made available by it during that month or any part of that month, their full names, identity numbers, contact telephone numbers, registration numbers allocated in terms of section 11 (3) of the Act, the period of their service during that month, and the geographic area or areas of such service;
- (b) on or before the 15th day of each calendar month, furnish to the Board a completed South African Revenue Services Monthly Employer Declaration Form, otherwise referred to as EMP 201 form, together with a detailed supporting reconciliation report generated by the security business’ payroll, document known as EMP 201 form, signed or authenticated by a responsible person acting on behalf of such security business;

- (c) In the event the security business has sub-contracted services to another security business or it is involved in a joint venture, notify the Board of such arrangements and submit the relevant EMP 201 form for either the abovementioned arrangements:
 - (d) comply with the provisions as contemplated in sub-regulation (1) (b) and (c), in order to be issued with the letter of good standing.
- (2) A registered security business must pay to the Board that portion of the prescribed amount as is referred to in regulation 9(3)(a) and 9(3)(b), in accordance with sub-regulation (3).
- (3)
- (a) The prescribed amount for any year must, subject to this sub-regulation, in relation to security business employing 100 and more security officers be paid to the Board before or on 07 May of the year concerned.
 - (b) In the case of a security business becoming registered in terms of section 11 of the Act on or after 1 April in a given year, the prescribed amount in respect of that year must be paid to the Board on or before the last day of the month during which the security business was so registered.
 - (c) Where a security business increases in size to the point where it falls into a different category, as contemplated in regulation 9(3)(a), the supplementary amount which becomes due must be paid to the Board on or before the last day of the month in which the security business falls into a different category.
 - (d) In the case of security business employing 21 – 100 security officers, 50% of the fees is payable by 7 May of each year. The remaining 50% is payable in 2 equal instalments. The first instalment will be due by 7 June and the second instalment due by 7 July of each year.
 - (e) In case of security business employing 0 – 20 security officers, 50% of the fees is payable by 7 May of each year. The remaining 50% is payable in 5 equal instalments first instalment due on 7 June, second instalment due on 7 July, third instalment due on 7 August, fourth instalment due on 7 September and the fifth instalment due on 7 October of each year.

- (4) A security business must pay to the Board that portion of the prescribed amount arrived at in accordance with regulation 9 (3)(c), within three (3) days after the end of the calendar month in respect of which it is due.
- (4A) (a) A security business must pay to the Board an amount equal to the prescribed amount referred to in regulation 9(4), for every security officer employed, used, deployed or made available by that security business to render a security service during April in a given year, to the Board on or before 07 May of the year concerned.
- (b) In respect of security officers not employed, used, deployed or made available by a security business to render a security service during April in a given year, but who become employed, or are used, deployed or made available by a security business to render a security service in any later month in a given year, the security business must pay to the Board, on or before the last day of such later month in that year, an amount equal to the prescribed amount referred to in regulation 9(4), for every such security officer.
- (c) Any person who or which is not a security business but who employs, uses or deploys a security officer, must pay to the Board an amount equal to the prescribed amount referred to in regulation 9(4), for every security officer so employed, used or deployed during April in a given year, to the Board on or before 07 May of the year concerned.
- (d) In respect of security officers who become employed, or are used or deployed by any person who or which is not a security business, to render a security service in any month other than April in a given year, such person must pay to the Board, on or before the last day of such later month in that year, an amount equal to the prescribed amount referred to in regulation 9(4), for every such security officer.
- (e) A security officer who renders a security service in any year but who is not employed, used, deployed or made available by a security business or any other person liable for payment in terms of sub-regulations (a), (b), (c) or (d) above, must pay to the Board an amount equal to the prescribed amount referred to in regulation 9(4), on or before 07 May of each year.
- (f) The provisions of these regulations shall also apply to any service, activity or practice or any equipment or any person or entity plying their trade in the private security industry.
- (5) Nothing in this regulation prevents a written agreement being entered into between the Board and any security business regarding the method and date of payment of the prescribed amount.

- (6) Any amounts paid in accordance with the requirements of the Regulations are not refundable.
- (7) A security officer registered in terms of section 21 (3) and issued with a registration certificate in terms of section 25 of the PSIR Act, must renew such certificate annually, on the anniversary date of the certificate.
- (8) The provisions of sub-regulation (7) apply to security service providers registered after 1 April of the year these regulations are published.
- (9) The Authority shall annually prescribe processes and forms relating to the renewal of registration certificate.
- (10) The information in terms of these regulations shall be processed, recorded and filed in accordance with the Protection of Personal Information Act, 2013 (Act No. 04 of 2013) or any other legislation governing the protection of information.
- (11) The Authority when offering services to security service providers, shall ensure that all relevant information, is made available and accessible to such security service providers using various mediums of communication and in accordance with the Electronic Communications and Transactions Act, 2002 (Act No. 25 of 2002).
- (12) Any security business which fails to pay to the Board, within the period allowed for such payment—
- (a) the prescribed amount payable in terms of this regulation;
 - (b) the prescribed amount payable in terms of an agreement referred to in sub-regulation (5); or
 - (c)
 - (d) an amount deducted by it in terms of section 18 (4) (a) of the Act,
- must pay to the Board- Interest and Penalties for Non-Payment of Prescribed Fees

- (i) the unpaid amount referred to above;
- (ii) interest on the unpaid amount at the rate determined from time to time in terms of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975); and
- (iii) a penalty arrived at by calculating ten (10) per cent of that sum arrived at by adding to the unpaid amount the interest accrued thereon to date of calculation of the penalty:

Provided that if the Board is satisfied that the failure to pay or pay over any amount in terms of this regulation was not due to an intent to evade or postpone payment or otherwise evade obligations in terms of this regulation or the Act, it may remit the whole or part of the penalty imposed in terms of paragraph (c) of this sub-regulation.

- (13) Any amount of interest and any penalty owing to the Board in terms of sub-regulation (8) will be regarded as part of the prescribed amount as contemplated in section 18 (1) and section 18 (2) of the Act.
- (14) Failure to renew a certificate as contemplated in sub-regulation (7), a month prior to the anniversary date, will result in the immediate lapsing of the certificate.

- b. by the insertion of the following title and sub-regulation immediately after sub-regulation (14) of the following:

— **Penalties for Non- Disclosure**

- (15) - Any security business which
 - (a) fails to provide the Board with the return contemplated in sub-regulation (1) within the period allowed;
 - (b) fails to provide the Board with a return that materially complies with the requirements contained in sub-regulation (1);
 - (c) intentionally or negligently submits a return to the Board which is false or misleading in any material respect;
 - (d) fails to provide to the Board, within the period allowed, the additional information required by the Board in terms of sub-regulation (3) (d); or

- (e) fails to deduct an amount as contemplated in section 18 (4) (a) of the Act from the remuneration of a security officer that it should have deducted,
will be guilty of an offence and on conviction liable to a fine not exceeding R500,000.00.
 - (f) A conviction for an offence in terms of these regulations shall not exempt the security business convicted from the payment of any penalty or interest payable in accordance with the provisions of these regulations.
- c. by the insertion of the following title and sub-regulation immediately after sub-regulation (15) of the following:

Computation of Penalties and Investigations for Non-Disclosure

- (16A) Notwithstanding the provisions of sub – regulation (15), any security business which intentionally or negligently(a) fails to submit a return to the Board disclosing security officers employed to evade payment of prescribed annual fees or (b) submits a return to the Board which is false or misleading in relation to the number of security officers employed,
- (i) will be liable to a penalty not exceeding an amount equal to double the amount of the prescribed annual fees referred to in paragraph (a) or the difference “determined” between the amount of annual fees that were due and payable by the security business to the Board and the amount the security business has paid to the Board in case of paragraph (b); and
 - (ii) will be a subject of an investigation by the Board to check into the security business’ reporting as required in terms of sub – regulation (1) for the preceding 3 years. Any non-compliance found, the Board may levy penalties not exceeding the amount equal to double the amount of the prescribed fees or the determined difference for every year of failure to disclose as prescribed.
- (16AA) The envisaged investigation under (16A) will assist the Board to determine the appropriate percentage of penalty, in relation to whether,
- (a) the non- disclosure was substantial
 - (b) the non-disclosure was intentional
- (17) Any director, member, owner, partner, trustee, administrator or manager, according to the case, of a security business—

- (a) who fails to take all reasonable steps to ensure that the security business of which he or she is a director, member, owner, partner, trustee, administrator or manager, according to the case—
 - (i) complies with an obligation in terms of sub-regulation (1);
 - (ii) complies with an obligation in terms of sub-regulation (3) (d);
 - (iii) complies with an obligation in terms of section 18 (4) (a) of the Act to deduct an amount from the remuneration of a security officer; or
 - (iv) does not contravene a provision of sub-regulation (13); or
- (b) who intentionally or negligently submits a return referred to in sub-regulation (1) to the Board or allows such a return to be submitted to the Board on behalf of the security business in question, which is false or misleading in any material respect,

will be guilty of an offence and on conviction be liable to a fine not exceeding R500,000.00 or to imprisonment for a period not exceeding twenty-four (24) months.

Substitution of regulation 9 of the Regulations

5. The following regulation is hereby substituted for regulation 9 of the Regulations:

“Prescribed amounts. —

9(1)

(2)

- (3) The prescribed amount contemplated in section 18 (1) of the Act must, in the case of a security business registered as a security service provider, be determined by adding together the amounts contemplated in paragraphs (a) or (b), as the case may be, and (c) below:

- (a) the amount specified in **Schedule A** applicable to the category in which the security business falls, per year, provided that if a security business increases in size to the point where it falls into a different category at any date during a year, it shall be liable

to pay the difference between the amount already paid and the amount applicable to the category in which it then falls; or

- (b) in the case of a security business becoming registered in terms of section 11 of the Act on or after 1 April in a given year, one twelfth of the applicable amount referred to in sub-regulation (a), multiplied by the number of months in that year in which the security business was registered, commencing in the month during which the security business was so registered, and ending in March; and
 - (c) the amount specified in **Schedule B** per calendar month or any part thereof, multiplied by the number of security officers employed, used, deployed or made available to render a security service during each calendar month or any part thereof.
- (4) The prescribed amount contemplated in section 18 (1) of the Act, in the case of a person registered as a security officer, but not acting as a security business, is the amount specified in **Schedule C** per year, regardless of the date on which the security officer is registered as such.

SCHEDULE A

Category of security business	Applicable fee per year
Large (>5 000 SOs employed)	R 69 800
Large (2 001 to 5 000 SOs employed)	R63 900
Large (801 to 2 000 SOs employed)	R59 700
Medium (401 to 800 SOs employed)	R43 500
Medium (201 to 400 SOs employed)	R41 200
Emerging Small (101 to 200 SOs employed)	R19 500
Small (51 to 100 SOs employed)	R11 900
Smaller (21 to 50 SOs employed)	R9 000
Smallest A (6 to 20 SOs employed)	R8 200
Smallest B (<6 SOs employed)	R7 200

SCHEDULE B

Category of security business	Applicable fee per month for each security officer employed
Large (>5 000 SOs employed)	R4.50
Larger (2 001 to 5 000 SOs employed)	R4.50
Largest (801 to 2 000 SOs employed)	R4.50
Medium A(401 to 800 SOs employed)	R4.20
Medium B(201 to 400 SOs employed)	R4.20
Emerging (101 to 200 SOs employed)	R3.90
Small (51 to 100 SOs employed)	R3.50
Smaller (21 to 50 SOs employed)	R3.50
Smallest A (6 to 20 SOs employed)	R3.50
Smallest B (< 6 SOs employed)	R3.50

SCHEDULE C

Category of person	Applicable fee per year
All Security Service Providers	R105.00

CONSULTATION PROCESS

1. Industry Stakeholder Consultations

The Authority will embark on a consultative drive pursuant to the principles under the Promotion of Administrative Justice Act, 2000 (Act No. 3 of 2000). The consultation process will be geared towards informing our stakeholders and all interested parties in proposing the fee increase.

2. Industry Stakeholder Consultations

The Authority hereby intends to issue a notice calling all stakeholders of the Private Security Industry to participate in the consultation process for the review of the 2022/23 annual fees which will include relevant government entities, security officers, labour organizations and active security service provider associations and consumers and employer organizations within the Private Security Industry.

To broaden the scope and to enhance transparency, the consultation process will be two-fold. **Firstly**, the Authority will publish the notice of Review of the Annual Fees for the Private Security Industry in the Government Gazette and consultation meetings will be held in every province using the virtual method. The foregoing method is in recognition of the times the world finds itself in due to the far -reaching effects of the corona virus. Notwithstanding, the stakeholders will be afforded an opportunity to submit their oral representations.

Secondly, the Industry will be given an opportunity to submit their written comments and representations on the proposed annual fee review which closed on **31 January 2022**

The following schedule has been prepared to manage the envisaged virtual consultations.

3. Consultation Schedule

CATEGORY OF CONSULTATIONS	METHODS / AREAS	LOCATION/DATES	CONTACT DETAILS	DATES/TIME
Written Representations	Email, Letters and Facsimile (All 9 Provinces)	420 Witch-Hazel Avenue, Block B – Eco Glades 2 Office Park, Highveld Ext 70	Ms. Sharon Matiapoto Email: Sharon.Matiapoto@psira.co.za Fees.Comments@PSIRA.co.za Tel: 012 003 0702 Fax: 086 219 0670 (for all written presentations)	31 January 2022 16h00
Consultative Workshops	Gauteng Province	Virtual (Microsoft Teams)	Mr. Gresham Singh Sharon.MATIAPOTO@psira.co.za (RSVP for workshops) Tel: 012 003 0662	11 January 2022 9h30- 12h00
Consultative Workshops	Limpopo Province	Virtual (Microsoft Teams)	Mr. Peter Mafologela Sharon.MATIAPOTO@psira.co.za (RSVP for workshops) Mobile: 072 624 2105	12 January 2022 9h30- 12h00
Consultative Workshops	Mpumamlanga Province	Virtual (Microsoft Teams)	Mr. Mlungisi Shongwe Sharon.MATIAPOTO@psira.co.za (RSVP for workshops) Tel : 013 752 4059/4060	13 January 2022 9h30- 12h00
Consultative Workshops	Free State Province	Virtual (Microsoft Teams)	Mr. Gresham Singh Sharon.MATIAPOTO@psira.co.za (RSVP for workshops) Tel :012 003 0662	14 January 2022 9h30- 12h00
Consultative Workshops	Eastern Cape Province	Virtual (Microsoft Teams)	Mr. Sidney Stander Sharon.MATIAPOTO@psira.co.za (RSVP for workshops) Mobile: 041 585 1848 /012 003 0662	18 January 2022 9h30- 12h00
Consultative Workshops	KwaZulu-Natal Province	Virtual (Microsoft Teams)	Ms. Thuleleni Dlamini Sharon.MATIAPOTO@psira.co.za (RSVP for workshops) Tel :031 003 0569	19 January 2022 9h30- 12h00
Consultative Workshops	Western Cape Province	Virtual (Microsoft Teams)	Mr. Marius BRUWER Sharon.MATIAPOTO@psira.co.za (RSVP for workshops) Mobile: 083 629 7621	20 January 2022 9h30- 12h00
Consultative Workshops	North West Province	Virtual (Microsoft Teams)	Mr. Gresham Singh Sharon.MATIAPOTO@psira.co.za (RSVP for workshops) Mobile: 083 629 7619	20 January 2022 9h30- 12h00

Consultative Workshops	Northern Cape Province	Virtual (Microsoft Teams)	Mr. Gresham Singh Sharon.MATIAPOTO@psira.co.za (RSVP for workshops) Mobile: 083 629 7619	21 January 2022 9h30- 12h00
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4. Conclusion

The Authority wishes to reaffirm its commitment to service the private security industry in a transparent and effective manner. To this end, the Authority request all parties who wish to send comments and or representations to do so within the time frames proposed. PSiRA regrets that no extensions will be granted for written representations unless they are received in writing before the closing date.

SOUTH AFRICAN RESERVE BANK**NOTICE 694 OF 2021****Notice and Order of Forfeiture**

Notice of Forfeiture to the State of money in terms of the provisions of Regulation 22B made under Section 9 of the Currency and Exchanges Act, 1933 (Act No. 9 of 1933), as amended, as promulgated by Government Notice No. R.1111 of 1961-12-01 in respect of the money of:


**Badmus Trading Enterprise (Pty) Limited registration number 2015/397412/07
(the 'Respondent')**

of:

Badmus Trading Enterprise (Pty) Limited
111 Green Acre Terraces
Strand
7140

Be pleased to take notice that:

1. The Minister of Finance has, by virtue of the provisions of Regulation 22E of the Exchange Control Regulations delegated all the functions and/or powers conferred upon the Treasury by the provisions of the Exchange Control Regulations [with the exception of the functions and/or powers conferred upon the Treasury by Regulations 3(5) and (8), 20 and 22, but which exception does not include the functions and/or powers under Exchange Control Regulations 22A, 22B, 22C and 22D], and assigned the duties imposed thereunder on the Treasury, to the Governor or Deputy Governors of the South African Reserve Bank.
2. By virtue of the functions, powers and/or duties vested in me, in my capacity as a Deputy Governor of the South African Reserve Bank, in terms of the delegation and assignment of the functions, powers and/or duties referred to in 1 above, I hereby give notice of a decision to forfeit to the State the following money and I hereby declare and order forfeit to the State the following money, namely:
 - 2.1 the amount of USD40 000.00 being capital standing to the credit of the Respondent in account number 4093131826, held with ABSA Bank Limited, together with any interest thereon and/or accrual thereto.
3. The date upon which the money specified in 2 above is hereby forfeited to the State is the date upon which this Notice of Forfeiture is published in this Gazette.
4. The money specified in 2 above shall be disposed of by deposit thereof to the National Revenue Fund.
5. This Notice also constitutes a written order, as contemplated in Regulation 22B of the Exchange Control Regulations, in terms of which the money specified in 2 above is hereby forfeited to the State.
6. Signed at Pretoria on this 16th day of November 2021.



K Naidoo
Deputy Governor
South African Reserve Bank

SOUTH AFRICAN RESERVE BANK

NOTICE 695 OF 2021

Notice and Order of Forfeiture

Notice of Forfeiture to the State of money in terms of the provisions of Regulation 22B of the Regulations ("the Exchange Control Regulations") made under Section 9 of the Currency and Exchanges Act, 1933 (Act No. 9 of 1933), as amended, as promulgated by Government Notice No. R.1111 of 1961-12-01 in respect of the money of:

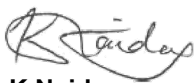
Ms Huamei Lin, Identity number 7504201218181 (the "Respondent")

Of:

68 Thabo Mbeki Street
Naboomspruit
0560

Be pleased to take notice that:

1. The Minister of Finance has, by virtue of the provisions of Regulation 22E of the Exchange Control Regulations delegated all the functions and/or powers conferred upon the Treasury by the provisions of the Exchange Control Regulations [with the exception of the functions and/or powers conferred upon the Treasury by Regulations 3(5) and (8), 20 and 22, but which exception does not include the functions and/or powers under Exchange Control Regulations 22A, 22B, 22C and 22D], and assigned the duties imposed thereunder on the Treasury, to, *inter alia*, the Deputy Governors of the South African Reserve Bank.
2. By virtue of the functions, powers and/or duties vested in the Deputy Governors of the South African Reserve Bank, in terms of the delegation and assignment of the functions, powers and/or duties referred to in 1 above, I hereby give notice of a decision to forfeit to the State the following money and I hereby declare and order forfeited to the State the following money, namely:
 - 2.1 The amounts of R67 364,38 and R104 737,46, being capital standing to the credit of Ms. Huamei Lin in account numbers 1499846116, held with Capitec and 62470836043, held with FNB, respectively, together with any interest thereon or any other accrual thereto.
3. The date upon which the money specified in 2 above is hereby forfeited to the State is the date upon which this Notice of Forfeiture is published in this Gazette.
4. The money specified in 2 above shall be disposed of by deposit of the proceeds thereof to the National Revenue Fund.
5. This Notice also constitutes a written order, as contemplated in Regulation 22B of the Exchange Control Regulations, in terms of which the money specified in 2 above is hereby forfeited to the State.
6. Signed at Pretoria on this 17th day of November 2021.



K Naidoo
Deputy Governor
South African Reserve Bank

DEPARTMENT OF TOURISM

NOTICE 696 OF 2021

TOURISM ACT, 2014 (ACT NO: 3 OF 2014)

**NORMS AND STANDARDS FOR THE SAFE OPERATIONS OF TOURISM SECTOR
IN THE CONTEXT OF THE CORONAVIRUS COVID-19 AND BEYOND**

I, Ms Lindiwe Sisulu, Minister of Tourism, hereby under section 7(1) of the Tourism Act, 2014 (Act No. 3 of 2014), hereby publish the norms and standards for the safe operations of the tourism sector in the context of COVID-19 and other related pandemics, in the Schedule hereto.



**LN Sisulu, MP
MINISTER OF TOURISM**

DEPARTMENT OF TOURISM**TOURISM ACT, 2014 (ACT NO: 3 OF 2014)****NORMS AND STANDARDS FOR THE SAFE OPERATIONS OF TOURISM SECTOR IN THE
CONTEXT OF COVID-19 AND OTHER RELATED PANDEMICS****SCHEDULE****TABLE OF CONTENTS**

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- 14. Norms and Standards for Curio Shops**

2.

1. DEFINITIONS

In these norms and standards, a word or expression to which a meaning has been assigned in the Tourism Act, 2014 (Act No. 3 of 2014) has the meaning so assigned, and unless the context indicates otherwise— "Act" means the Tourism Act, 2014 (Act No. 3 of 2014);

"Minister" means Minister of Tourism.

"Places of attraction" include, but are not limited to theme parks, amusement parks, water parks, family entertainment centres, nature and game reserves, national parks, botanical gardens, zoos, aquaria, sanctuaries and other entertainment and cultural attractions.

2. ACRONYMS

NDP — National Development Plan

NTSS — National Tourism Sector Strategy

OECD South Africa Economic Survey 2020 — Organization for Economic Cooperation Development

PPE — protective personal equipment

UNWTO — United Nations World Tourism Organisation

WEF - World Economic Forum

WHO — World Health Organisation

POPI - Protection of Personal Information

SMS — Short Message Service

3. PURPOSE

- (1) The purpose of these norms and standards is to provide minimum universal practices which the tourism sector must abide by to prevent the spread of COVID-19 other related pandemics.
- (2) The norms and standards will also provide uniformity across the destination in view of tools that have been compiled by industry associations and some sub-national entities.

4. INTRODUCTION

- 4.1 The White Paper on the Development and Promotion of Tourism, 1996, currently under review, outlines the vision and policy standpoint from which tourism is to be pursued in South Africa. Among others, it identifies safeguarding the safety and security of tourists as a key policy to be pursued

to ignite tourism growth. Globally, the WEF highlights safety as one of the bases for destination competitiveness and assesses countries in the Travel and Tourism Index against safety and security, health and hygiene under its *Enabling Environment criteria*. The safety imperative is also critical as an input into The Visitor Experience, a key pillar of the country's NTSS (2016-2026).

- 4.2 Looking at the current global pandemic COVID-19 and its implications for human interaction, the inclusion of disease in a broad view of visitor safety becomes essential. Concerns related to safety and health have increased in significance as a result of the COVID-19 and other related pandemics, owing to its contagious nature, and approaches to tourism in the future are to be informed by this reality. The experience of the relatively less widespread Ebola Epidemic in 2014/2015, which resulted in a decline in Africa arrivals averaging 6% with double digit declines in some regions, further demonstrated the significance of traveller confidence in tourist decision making about destinations to visit. Personal safety and security, relating to both the tangible and intangible elements influence not only the visitor experience but the propensity for people to finalise their travel plans. Re-igniting demand therefore, as identified in the Tourism Recovery Plan approved by Cabinet on 21 April 2021, is a major component in influencing the revival of the tourism economy.

Norms and Standards

- 4.3 The Act provides for the development of norms and standards for the tourism sector. Section 7(1) (a) of the Act empowers the Minister to determine norms and standards for the practice of responsible tourism and in order to promote the objects of the Act, among other criteria.
- 4.4 In developing norms and standards for the safe operation of the tourism sector, the objective is to facilitate consensus on minimum universal practices which the sector overall will abide by to prevent the spread of COVID-19. The policy response assumes that it will be some time before the pandemic subsides or until a widely accessible vaccine or other appropriate scientific solution is available.
- 4.5 The determined health measures will also provide assurance to potential visitors and all stakeholders that South Africa's tourism products and services are equipped to operate safely whilst the COVID-19 and other related pandemics persists guided by globally accepted principles. They will therefore promote traveller confidence in support of resurgent demand.

4.

- 4.6 The norms and standards will also provide uniformity across the destination in view of tools that have been compiled by industry associations and some subnational entities. In general, the various tools incorporate the three key measures of enhanced hygiene, social distancing and the use of PPE as interventions to limit the potential for transmission of the virus. The same broad areas of intervention will form the basis of the norms and standards in keeping with epidemiological direction and as sanctioned by the WHO and local health authorities.

Towards Reinstating Tourism Operations

- 4.7 COVID-19 resulted in unprecedented travel restrictions on business operations across the globe and consequently a shutdown of the tourism economy. As countries are learning to coexist with the virus, numerous safety protocols have been developed to guide the safe opening of the global economy. The Travel and Tourism Sector at a global level has also published safety protocols for the safe reopening of the sector. Similarly, the Tourism Private Sector in South Africa also released its own standard protocols for the sector's operation during the pandemic.
- 4.8 The development of the various safety standard protocols demonstrates the seriousness with which stakeholders' approach COVID-19 and other related pandemics and the readiness to adjust operations to enable continued economic activity without jeopardising the interests of preventing the further spread of the virus. The proposed norms and standards further draw from international guidelines within the travel and tourism sector including global and local health authorities as well as actions taken by governments to ensure safe reopening.

Policy Context

- 4.9 Tourism development has been pursued in South Africa as a policy tool to respond to the main economic challenge of inclusive growth and the need to reduce unemployment. The sector sustains and has the potential to create more jobs owing to its labour-intensive character. In addition, tourism attracts foreign exchange earnings for the country.
- 4.10 The policy aims of the norms and standards are to—
- (a) reinstate tourism's continued significance in the government's economic development plans. Building from the inclusion of tourism in successive iterations of the New Growth Path economic plans and the NDP (2030), the recovery of tourism is a critical component of the country's economic recovery from the COVID-

19 Pandemic. The OECD South Africa Economic Survey 2020 reinforces the position of tourism as a lever for sustainable and inclusive growth;

- (b) Include COVID-19 and other related pandemics as an emerging barrier to tourism. The removal of barriers to travel is an established principle in the National Tourism Sector Strategy. Barriers have a negative influence on travel decisions and addressing them is an integral part of the tourism growth strategy. Once in operation, the standards will serve as a basis, subject to adaptation, for responding to other related barriers that may emerge in the future; and
- (c) provide policy certainty that the basics are in place to manage the health risk. Tourism is a highly competitive sector globally with hundreds of destinations at the disposal of the potential traveller. Managing the COVID-19 and other related pandemics health risk is currently a key factor in visitor expectations and the existence of specified universal measures for the destination will position South Africa as equipped for a safe travel experience.

- 4.11 Consistency in the application of the measures throughout the value chain will be essential to ensure that the objectives of the norms and standards are achieved. This will be realised through stakeholder commitment.

United Nations World Tourism Organisation's Guidelines

- 4.12 Various international organisations have developed technical work in relation to the safe opening of the global economy. The UNWTO, the global authority in travel and tourism, also generated technical work incorporating air travel, arrival at the border, hospitality establishments and attractions. The UNWTO proposed the following cross-cutting measures for the private sector.

- (a) The implementation of global and harmonised health, safety and hygiene protocols;
- (b) training of personnel in safety and security protocols as well as safe service delivery;
- (c) cleaning of all surfaces frequently, using products and disinfectants that meet requirements and with special attention to high touch surfaces;
- (d) setting up plans in the event a guest or employee falls sick on site;

- (e) creating internal COVID-19 and other related pandemics coordination committees to follow-up on implementation and execution of protocols and service delivery;
- (f) redesigning processes towards more digital touchless operations in all possible touchpoints;
- (g) maintaining records of statistical information for tourism planning and management in full coordination with local and national tourism statistical authorities; and
- (h) promoting social dialogue and work to ensure the health and wellbeing of workers and the work environment.

Factors Guiding the Reopening of the Sector

- 4.13 In light of the cases and the mortality rate in South Africa, the reopening of the tourism sector is guided principally by epidemiological evidence taking into consideration the stabilisation of the rate of infection. Amongst other things, the following factors will inform decision making on the timing and manner of operation of tourism and its subsectors:
- (a) Decline in the number of COVID-19 and other related pandemics infections;
 - (b) health and safety of workers;
 - (c) plan of action in case of infection amongst guests or staff;
 - (d) collaboration between local authorities and the tourism sector to ensure information sharing;
 - (e) training of staff in the establishments on COVID-19 and other related pandemics;
 - (f) management of staff in relation to numbers in the work places;
 - (g) provision of clear information to guests regarding health measures;
 - (h) infection prevention and control measures; and
 - (i) physical distancing and hygiene.

Principles Guiding Safe and Seamless Travel and Reopening of the Sector

- 4.14 The process of reopening the tourism sector in a safe and seamless manner places the traveller at the centre of every measure. The following principles are outlined by the UNWTO:
- (a) Non-discrimination of travellers;
 - (b) clear communication on health protocols and regulations;
 - (c) SMS to visitors upon arrival informing them of rules and regulations in place;
 - (d) data sharing on the basis of consent;
 - (e) physical distancing rules;
 - (f) advance contactless check-in;
 - (g) downloading tracking app;
 - (h) contactless payment and check-in; and
 - (i) e-tickets and e-bookings for visiting attractions and entertainment.

5. APPLICATION OF THE NORMS AND STANDARDS

These norms and standards are to apply in the tourism sector .

6. NORMS AND STANDARDS FOR TOURISM ESTABLISHMENTS**Operational Readiness**

A person in charge of the tourism establishment must—

- (a) develop a prevention plan inclusive of a cleaning and disinfection plan;
- (b) have the required staff levels for operations;
- (c) have integrating technologies to enable automation such as contactless payment;
- (d) ensure compliance with physical distancing protocols and use markings to clearly communicate to guests and staff;
- (e) implement safety checks for staff and guests entering the establishment and ensure that staff to stay at home when experiencing COVID-19 symptoms;

8.

- (f) designate a health and safety officer and clarify their roles and responsibilities;
- (g) develop staff and guest medical declaration and travel status form which is POPI compliant; and
- (h) develop standard procedures for staff and guests with COVID-19 and other related pandemics symptoms.

Self Preparedness

A person in charge of the tourism establishment must—

- (a) train staff on COVID-19 and other related pandemics in line with the latest health advice from the health authorities and WHO;
- (b) implement staff protocols, code of conduct and guidelines for staff operations;
- (c) retrain staff on infection control, wearing of protective gear, hygiene and physical distancing; and
- (d) constantly monitor the wellbeing of staff to ensure the implementation of guidelines by health authorities.

Safe Experience

A person in charge of the tourism establishment must—

- (a) implement enhanced disinfection and cleaning practices;
- (b) implement and communicate safety processes for guests including physical distancing;
- (c) enhance food safety and hygiene in dining areas and restaurants; and
- (d) implement enhanced cleaning, disinfection and physical distancing for events.

Building Trust and Confidence

A person in charge of the tourism establishment must—

- (a) ensure clear and simple communication with customers on safety and hygiene protocols both digitally and physically;
- (b) implement clear signage throughout the establishment to inform guests of cleaning protocols and physical distancing; and

- (c) provide guidelines in line with the advice of health authorities to guests, which include wearing of face masks, hand hygiene and physical distancing.

7. NORMS AND STANDARDS FOR PLACES OF ATTRACTIONS

Operational and Staff Preparedness

A person in charge of the tourism place of attraction must—

- (a) develop a prevention plan for the attraction business;
- (b) implement protocols and guidelines for staff, including health checks;
- (c) integrate technologies to enable automation such as contactless touchpoints and payments, where possible;
- (d) introduce a COVID-19 and other related pandemics contingency plan, should a new case emerge;
- (e) train staff to ensure the execution of operational plans; and
- (f) monitor the wellbeing of the employees and encourage them to follow the latest advice of health authorities.

Safe Attractions Experience

A person in charge of the tourism place of attraction must—

- (a) implement processes focused on sanitation, disinfection and deep cleaning;
- (b) reduce the capacity of venues to a limit appropriate to allow for social distancing;
- (c) implement customer processes to minimise physical contact, such as allowing extra time for guests to enter attractions and increasing the number of performances; and
- (d) provide unique guidance for specific attractions.

10.

Rebuilding Trust and Confidence

A person in charge of the tourism place attraction must—

- (a) communicate clearly to customers regarding new health hygiene protocols;
- (b) communicate health guidelines to guests ahead of a possible trip, and where possible, upon arrival at an attraction; and
- (c) ensure that venues set up medical service points, if possible, and ensure that personnel can deal with COVID-19 and other related pandemics cases.

8. **NORMS AND STANDARDS FOR EVENTS, WEDDINGS, EXHIBITIONS, MEETINGS AND CONVENTION CENTRES**

Operational and staff preparedness

A person in charge of an event, meeting or convention centre must—

- (a) develop a prevention plan especially for infection prevention, cleaning and disinfection;
- (b) implement guidelines for staff safety and health including health checks and introduce a stay-at-home policy in case of any member of staff displaying symptoms of COVID-19 and other related pandemics;
- (c) communicate physical distancing guidelines for queues and mark surfaces clearly, where possible;
- (d) ensure the provision of PPEs to staff such as face masks and gloves, depending on the risk-based approach;
- (e) train staff to enable the execution of safety plans; and
- (f) consider the utilisation of digital technology such as digital invitations.

Safe experience

A person in charge of an event, meeting or convention centre must—

- (a) implement enhanced sanitation, disinfection, and deep cleaning;
- (b) implement physical distancing measures with regard to seating distribution, booths, aisles and gathering size in line with government guidelines;
- (c) reduce the capacity of venues to a limit appropriate to allow for social distancing and as required by local regulations;
- (d) implement customer processes including participant information, to ensure physical distancing; and
- (e) implement measures to ensure food safety and hygiene.

Building confidence

A person in charge of an event, meeting or convention centre must—

- (a) clearly communicate safety protocols and guidelines to attendees of a conference or meeting both digitally and at the venue;
- (b) implement clear signage to inform participants of safety measures to follow, throughout the venues;
- (c) consider setting up a medical service point and ensure that staff can deal with COVID-19 and other related cases; and
- (d) promote the use of contact tracing apps, if necessary, and permitted by law.

9. NORMS AND STANDARDS FOR SHORT-TERM RENTALS

Staff and hosts preparedness

A person in charge of a short-term rental establishment must—

- (a) train the host and staff on the health and safety protocols, in line with latest local and international health guidelines;
- (b) outline to staff and the host cleaning, infection control and disinfection processes on safety measures, including frequent sanitising and hand washing;

- (c) encourage the use of electronic payment methods on check-in and out, where possible; and
- (d) develop an action plan outlining the process of handling COVID-19 and other related pandemics cases.

Safe Experience

A person in charge of a short-term rental establishment must—

- (a) adopt enhanced frequent cleaning, sanitisation and disinfecting measures;
- (b) communicate health and safety protocols to guests prior to arrival;
- (c) communicate rules on physical distancing, wearing of face masks and sanitising; and
- (d) communicate to guests the completion of the health declaration forms and relevant contact information, in advance.

10. NORMS AND STANDARDS FOR ACCOMMODATIONS**Staff and hosts preparedness**

A person in charge of an accommodation must—

- (a) train the host and staff on the health and safety protocols, in line with latest local and international health guidelines;
- (b) outline to staff and the host cleaning, infection control and disinfection processes on safety measures, including frequent sanitising and hand washing;
- (c) encourage the use of electronic payment methods on check-in and out, where possible; and
- (d) develop an action plan outlining the process of handling COVID-19 and other related Pandemics cases.

Safe Experience

A person in charge of an accommodation must—

- (a) adopt enhanced frequent cleaning, sanitisation and disinfecting measures;
- (b) communicate health and safety protocols to guests prior to arrival;
- (c) communicate rules on physical distancing, wearing of face masks and sanitising; and
- (d) communicate to guests the completion of the health declaration forms and relevant contact information, in advance.

11. NORMS AND STANDARDS FOR FOOD SERVICES

Operational and Staff Preparedness

A person in charge of food services must—

- (a) develop a prevention plan for the attraction business;
- (b) implement protocols and guidelines for staff, including health checks;
- (c) integrate technologies to enable automation such as contactless touchpoints and payments, where possible;
- (d) introduce a COVID-19 and other related pandemics contingency plan, should a new case emerge;
- (e) train staff to ensure the execution of operational plans; and
- (f) monitor the wellbeing of the employees and encourage them to follow the latest advice of health authorities.

Safe experience

A person in charge of food services must—

- (a) implement enhanced sanitation, disinfection, and deep cleaning;
- (b) implement physical distancing measures with regard to seating distribution, booths, aisles and gathering size in line with government
- (c) guidelines;

14.

- (d) reduce the capacity of venues to a limit appropriate to allow for social distancing and as required by local regulations;
- (e) implement customer processes including participant information, to ensure physical distancing; and
- (f) implement measures to ensure food safety and hygiene.

12. NORMS AND STANDARDS FOR TOUR OPERATORS

Operational Readiness

A person in charge of tour operation must—

- (a) develop a prevention plan inclusive of a cleaning and disinfection plan;
- (b) have the required staff levels to restart operations;
- (c) have integrating technologies to enable automation such as contactless payment, where possible;
- (d) ensure compliance with physical distancing protocols, and where possible, use markings clearly to communicate to guests and staff; and
- (e) implement safety checks for staff and guests entering the establishment and ensure that staff to stay at home when experiencing COVID-19 and other related pandemics symptoms.
- (f) designate a health and safety officer and clarify their roles and responsibilities.
- (g) develop staff and guest medical declaration and travel status form which is POPI compliant.
- (h) develop standard procedures for staff and guests with COVID-19 and other pandemics symptoms.

distancing.

15.

Self Preparedness

A person in charge of tour operation must—

- (a) train staff on COVID-19 and other related pandemics in line with the latest health advice from the health authorities and WHO;
- (b) implement staff protocols, code of conduct and guidelines for staff operations;
- (c) retrain staff on infection control, wearing of protective gear, hygiene and physical distancing; and
- (d) constantly monitor the wellbeing of staff to ensure the implementation of guidelines by health authorities.

Safe Experience

A person in charge of tour operation must—

- (a) implement enhanced disinfection and cleaning practices;
- (b) implement and communicate safety processes for guests including physical distancing; and
- (c) implement enhanced cleaning, disinfection and physical distancing for events.

Building Trust and Confidence

A person in charge of tour operation must—

- (a) ensure clear and simple communication with customers on safety and hygiene protocols both digitally and physically;
- (b) implement clear signage throughout the establishment to inform guests of cleaning protocols and physical distancing; and
- (c) provide guidelines in line with the advice of health authorities to guests, which include wearing of face masks, hand hygiene and physical

13. NORMS AND STANDARDS FOR CASINOS**Operational and staff preparedness**

A person in charge of a casino must—

- (a) develop a prevention plan especially for infection prevention, cleaning and disinfection;
- (b) implement guidelines for staff safety and health including health checks and introduce a stay-at-home policy in case of any member of staff displaying symptoms of COVID-19 and other related pandemics;
- (c) communicate physical distancing guidelines for queues and mark surfaces clearly, where possible;
- (d) ensure the provision of PPEs to staff such as face masks and gloves, depending on the risk-based approach;
- (e) train staff to enable the execution of safety plans; and
- (f) consider the utilisation of digital technology such as digital invitations.

Safe experience

A person in charge of a casino must—

- (a) implement enhanced sanitation, disinfection, and deep cleaning;
- (b) implement physical distancing measures with regard to seating distribution, booths, aisles and gathering size in line with government guidelines;
- (c) reduce the capacity of venues to a limit appropriate to allow for social distancing and as required by local regulations;
- (d) implement customer processes including participant information, to ensure physical distancing.

Building confidence

A person in charge of a casino must—

- (a) clearly communicate safety protocols and guidelines to attendees of a conference or meeting both digitally and at the venue;
- (b) implement clear signage to inform participants of safety measures to follow, throughout the venues;
- (c) consider setting up a medical service point and ensure that staff can deal with COVID-19 and other related pandemics cases; and
- (d) promote the use of contact tracing apps, if necessary, and permitted by law.

14. CURIO SHOPS

Operational and Staff Preparedness

A person in charge of a curio shop must—

- (a) implement protocols and guidelines for staff, including health checks;
- (b) integrate technologies to enable automation such as contactless touchpoints and payments, where possible;
- (c) introduce a COVID-19 and other related pandemics contingency plan, should a new case emerge;
- (d) train staff to ensure the execution of operational plans; and
- (e) monitor the wellbeing of the employees and encourage them to follow the latest advice of health authorities.

Safe Attractions Experience

A person in charge of a curio shop must—

- (a) implement processes focused on sanitation, disinfection and deep cleaning;
- (b) reduce the capacity of the curios shop to a limit appropriate to allow for social and
- (c) implement customer processes to minimise physical contact, such as allowing extra time for customers to enter the curio shop.

Rebuilding Trust and Confidence

A person in charge of a curio shop must—

- (a) communicate clearly to customers regarding new health hygiene protocols; and
- (b) communicate health guidelines to customers ahead of a possible trip, and where possible, upon arrival at a curio shop.

Nmr. LOKWALODIKGANG LA PUSO, 2021

DIKITSISO TSA PUSO

LEFAPHA LA TSA BOJANALA

NMR. 2021

TOURISM ACT, 2014 (MOLAO 3 WA 2014)

**DITLWAELO LE MAEMO TSA DITIRO TSE DI BOLOKESEGILENG TSA LEPHATA
LA TSA BOJANALA MALEBANA LE PAKA YA CORONAVIRUS COVID-19 LE GO
FETA**

Nna, Moh Lindiwe Sisulu, Tona ya tsa Bojanala, ke dira fano, ka fa tlase ga karolo 7(1)(a) ya *Tourism Act, 2014* (Molao 3 wa 2014), ke phasalatsa fano ditlwaelo le maemo a ditiro tse di bolokesegileng a lephata la tsa Bojanala malebana le COVID-19 le maroborobo a mangwe a amanang, mo Šejuleng e e kailweng.

MOH. LINDIWE SISULU, MP

TONA YA TSA BOJANALA

LEFAPHA LA TSA BOJANALA

TOURISM ACT, 2014 (MOLAO 3 WA 2014)

DITLWAELO LE MAEMO A DITIRO TSE DI BOLOKESEGILENG TSA LEPHATA LA TSA
BOJANALA MALEBANA LE COVID-19 LE MAROBOROBO A MANGWE A A AMANANG

ŠEJULE

LENANE LA DITENG

1. Ditlhaloso
2. Diakeronimi
3. Maitlhommo
4. Matseno
5. Tiriso ya Ditlwaelo le Maemo
6. Ditlwaelo le Maemo tsa Ditlhongwa tsa Bojanala
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13. Ditlwaelo le Maemo tsa Dikhasino
14. Ditlwaelo le Maemo tsa Mabenkele a a Rekisang Dilo Tse Di sa Tlwaelegang

1. DITLHALOSO

Mo ditlwaelong le maemong tseno, lefoko kgotsa tlhagiso e e neilweng bokao mo *Tourism Act, 2014* (Molao 3 wa 2014) e na le bokao jo e bo e neilweng, ntle le fa bokao bo kaya ka mokgwa osele— "Molao" o kaya *Tourism Act, 2014* (Molao 3 wa 2014);

"Tona" o kaya Tona ya tsa Bojanala.

"Mafelo a dikgatlhegelo" a akaretsa, mme ga a lekanyetswa go mafelo a go itlosa bodutu, mafelo a go nang le ditshamekisi tsa go itlosa bodutu, mafelo a go tshameka ka metsi, mafelo a boitumediso a malapa, mafelotshireletso a diphologolo, diphaka tsa bosetšhaba, ditshimo tsa dimela, dirapa tsa diphologolo, diakwariamo, mafelotshireletso a diphologolo le mafelo a mangwe a dikgatlhegelo tsa go itlosa bodutu le setso.

2. DIAKERONIMI

NDP — Lenaneotlhabololo la Bosetšhaba

NTSS — Leano la Bosetšhaba la Lephata la Bojanala

OECD South Africa Economic Survey 2020 — Mokgatlho wa Tlhabololo ya Tirisanommogo ya Ikonomi

PPE — didiriswa tsa boitshireletso

UNWTO — Mokgatlho wa tsa Bojanala wa Lefatshe wa Ditšhabakopano

WEF - Foramo ya Ikonomi ya Lefatshe

WHO — Mokgatlho wa tsa Boitekanelo wa Lefatshe

POPI – Tshireletso ya Tshedimosetso e e ka ga Gago

SMS – Tirelo ya Melaetsakhutswe

3. MAITLHOMO

(1) Maitlhomo a ditlwaelo le maemo tseno ke go tlamela ka bonnye ditiragatso tsa botlhe tse lephata la bojanala le tshwanetseng go di obamela go thibela kanamo ya COVID-19 le maroborobo a mangwe a a amanang.

(2) Ditlwaelo le maemo di tla tlamela gape ka go tshwana go ralala mafelo a a etelwang ka go latela ditlamelo tse di rulagantsweng ke mekgatlho ya bodirelo le ditheo dingwe tsa tlaleletso tsa bosetšhaba.

4. MATSENO

- 4.1 Pampiritshweu e e ka ga Tlhabololo le Tsweletso ya Bojanala, 1996, e gajaana e leng ka fa tlase ga thadiso, e tlhalosa pono le ntlhakemo ya pholisi e go tswa go yona Bojanala bo tshwanetseng go e latela mo Aforika Borwa. Gareng ga tse dingwe, e tlhagisa ka moo go tseyeng tsia pabalesego le tshireletsego ya bajanala go tshwanetseng go nna ntlha ya botlhokwa ya pholisi e e tshwanetseng go latelwa go tsosolosa kgolo ya bojanala. Lefatshe ka bophara, WEF e tlhagisa pabalesego jaaka nngwe ya metheo ya bogaisani jwa kwa mafelong a a etelwang le go tlhatlhoba dinaga mo Tshupaneng ya Maeto le Bojanala kgatthanong le pabalesego le tshireletsego, boitekanelo le bophelo ka fa tlase ga tsela ya yona ya *Maemo a a Kgontshang*. Taelo ya pabalesego le yona e botlhokwa jaaka tshwaelo mo *The Visitor Experience*, pilara ya botlhokwa ya NTSS (2016-2026) ya naga.
- 4.2 Fa re lebelela leroborobo la gajaana la go ralala lefatshe la COVID- 19 le bokao jwa lona mo dikamanong tsa setho, kakaretso ya bolwetse mo tebong ka bophara ya pabalesego ya bajanala e nna botlhokwa. Ditlhobaboroko tse di amanang le pabalesego le boitekanelo di ile magoletsa thata ka ntlha ya COVID-19, ka ntlha ya phetelelo ya yona, le ditsela tse di mabapi le bojanala mo nakong e e tlang di tshwanetse go laelwa ke boammaruri jono. Maitemogelo a kanamo e e ka tswang e le kwa tlase ya Leroborobo la Ebola ka 2014/2015, e e nnileng le ditlamorago tsa kwelotlase mo magorogelong a Aforika a palogare ya bokana ka 6% ka kwelotlase ya dipalopedi mo dikgaolong tse dingwe, e bontshitse gape botlhokwa jwa boikanyo jwa basepedi mo go tsewang ga tshwetso ya bojanala mabapi le mafelo a a etelwang. Pabalesego le tshireletsego ya bowena, e e amanang le dipopi tse di bonalang le tse di sa bonaleng ga e tlhotlheletse fela maitemogelo a bajanala mme e tlhotlheletsa le dikgatlhego tsa batho tsa go konotela maano a bona a maeto. Go tsosolosa topo ka jalo, jaaka go tlhagisitswe mo Leanotsosolosong la Bojanala le le rebotsweng ke Kabinete ka di 21 Moranang 2021, ke karolo e kgolo mo go tlhotlheletseng tsosoloso ya ikonomi ya bojanala.

Ditlwaelo le Maemo

- 4.3 Molao o laela mabapi le tlhabololo ya ditlwaelo le maemo tsa lephata la bojanala. Karolo 7(1) (a) ya Molao e naya Tona thata ya go tlhomamisa ditlwaelo le maemo a tiragatso ya bojanala jo bo nang le maikarabelo le gore go tseletswe maitlhommo a Molao, gareng ga ditsela tse dingwe.
- 4.4 Mo go tlhabololeng ditlwaelo le maemo a tiro e e babalesegileng ya lephata la bojanala, maikaelelo ke go nolofatsa tumalano ya bonnye jwa ditiragatso

tša botlhe e lephata ka gotlhe le tla di obamelang go thibela kanamo ya COVID-19 le maroborobo a mangwe a a amanang. Tsibogelo ya pholisi e tsaya gore go tla tsaya lobaka pele ga leroborobo le fokotsega kgotsa go fitlhela moento o o fitlhelelwang ke botlhe kgotsa tharabololo e nngwe ya bonetetshi e e maleba e nna teng.

- 4.5 Ditsela tša boitekanelo tse di tlhomamisitsweng di tla tlamela gape bajanala ba ba solofetsweng le bannaleseabe botlhe ka netefaletso ya gore ditlhagiso le ditirelo tša bojanala tša Aforika Borwa di na le bokgoni jwa go dira ka pabalesego fa COVID- 19 le maroborobo a mangwe a a amanang a tswelela go kaelwa ke meono e e amogelesegang lefatshe ka bophara. Di tla tswelela go godisa boikanyo jwa basepedi mo go tshegetseng poapoelelo e e nnang e tlhagelela.
- 4.6 Ditlwaello le maemo di tla tlamela gape ka go tshwana go ralala mafelo a a etelwang ka ntlha ya didiriswa tse di rulagantsweng ke mekgatlho ya bodirelo le ditheotlaleletso dingwe tša bosetšhaba. Ka kakaretso, didiriswa tse di farologaneng di akaretsa ditsela tse tharo tša botlhokwa tša bophepa jo bo tokafaditsweng, sekgala sa go se atumalane, le tirso ya didiriswa tša boitshireletso jaaka ditsereganyo go fokotsa bokgoni jwa tshwaetso ya mogare. Dintlha tseo tse di atolositsweng tša botsereganyi di tla nna motheo wa ditlwaello le maemo mo go samaganeng le ditaelo tša kaelo ya kanamo ya malwetse le jaaka WHO le bothati jwa selegae jwa tša boitekanelo di laetse.

Mabapi le go Busetsa Ditiro tša Bojanala

- 4.7 COVID-19 e lerile dikganelo tša mesepele tse di iseng di nne teng mo ditirong tša dikgwebo go ralala lefatshe mme morago ikonomi ya bojanala e phutlhamo. Jaaka dinaga di ithuta go tshela mmogo le mogare, go ne ga tlangwa diporotokolo tša tshireletsego di le mmalwa go kaela go bulwa go go sireletsegileng ga ikonomi ya lefatshe lotlhe. Lephata la tša Maeto le Bojanala lefatshe ka bophara le lona le ne la phasalatsa diporotokolo tša tshireletsego mabapi le go bulwa gape go go sireletsegileng ga lephata. Fela jalo, Lephata la Poraefete la Bojanala mo Aforika Borwa le lona le golotse diporotokolo tša lona tse di tlhomamisitsweng mabapi le tiro ya lephata ka motsi wa leroborobo.
- 4.8 Go tlangwa ga diporotokolo tse di farologaneng tša tlhomamiso ya tshireletsego go bontsha bomasisi jo bannaleseabe ba tsayang COVID- 19 le maroborobo a mangwe a a amanang ka teng le ipaakanyetso ya go fetola ditiro go kgontsha ditiro tša ikonomi tse di tswelelang ntle le go kgoreletsa dikgatlhego tša go thibela kanamo e e etegetseng ya mogare. Ditlwaello le maemo tse di tshitsintsweng di tsere gape go tswa mo dikaelong tša boditšhabatšhaba mo lephateng la tša maeto le bojanala go akaretsa le

CONTINUES ON PAGE 258 OF BOOK 3

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AIDS HELPLINE: 0800-0123-22 Prevention is the cure

bothati jwa boitekanelo jwa lefatshe lotlhe le jwa selegae gape le dikgato tse di tserweng ke mebuso go netefatsa pulo gape e e sireletsegileng.

Bokao jwa Pholisi

4.9 Tlhabololo ya bojanala e lateletswe mo Aforika Borwa jaaka sediriswa sa pholisi go tsibogela kgwetlho e kgolo ya ikonomi ya kgolo e e akaretsang le tlhokego ya go fokotsa botlhokatiro. Lephata le tswelela go tshegetsa e bile le na le bokgoni jwa go tlhama ditiro tse dingwe ka ntlha ya semelo sa lona sa bodiri jo bo tseneletseng. Mo godimo ga moo, bojanala bo ngoka dipelo tsa kananyo ya madi tsa naga le dinaga disele.

4.10 Maikaelelo a pholisi mabapi le ditlwaello le maemo ke go—

- (a) busetsa botlhokwa jo bo tswelelang jwa bojanala mo maanong a puso a tlhabololo ya ikonomi. Ka go aga go tswa mo kakaretsong ya bojanala mo dipoeletsong kgapetsakgapetsa tsa maano a ikonomi a Tsela e Ntšhwa ya Kgolo le NDP (2030), poelomannong ya bojanala e karolo ya botlhokwa ya poelomannong ya ikonomi ya naga go tswa mo leroborobong la COVID-19. *OECD South Africa Economic Survey 2020* e gatelela kemo ya bojanala jaaka sediriswa sa kgolo e e tswelelang e bile e;
- (b) akaretsa COVID-19 le maroborobo a a amanang jaaka dikgoreletsi tse di tlhagelelang tsa bojanala. Tloso ya dikgoreletsi tsa go tsaya mosepele ke moonono o o tlhomilweng mo Leanong la Bosetšhaba la Lephata la Bojanala. Dikgoreletsi di na le tlhotlheletso e e sa siamang mo ditshwetsong tsa go tsaya mosepele e bile go samagana le tsona ke karolo ya botlhokwa ya leano la kgolo la bojanala. Fa le sena go tsena mo tirisong, maemo a tla diriswa jaaka motheo, go latela diphetogo, wa go tsibogela dikgoreletsi tse dingwe tse di amanang tse di ka tlhagelelang mo isagong; le
- (c) tlamela ka tlhomamisetso ya pholisi ya gore dintlha tsotlhe tsa botlhokwa di lateletswe go laola dikotsi tsa boitekanelo. Bojanala ke lephata le le nang le kgaisano e e kwa godimo lefatshe ka bophara le le nang le mafelo a a makgolokgolo ao batsayamaeto ba ba nang le bokgoni ba ka a etelang. Go laola dikotsi tsa boitekanelo tsa COVID-19 le maroborobo a mangwe a a amanang gajaana ke ntlha ya botlhokwa mo ditsholofelong tsa bojanala e bile go nna teng ga ditsela tsa go ralala lefatshe tse di tsepamisitsweng tsa mafelo a a etelwang go tla baya Aforika

Borwa mo maamong a mantle a go siamela maitemogelo a mosepele a a sireletsegileng.

- 4.11 Tlhomamo mo tirisong ya ditsela go ralala dikgato tsa go netefatsa boleng e tla nna botlhokwa go netefatsa gore maitlhommo a ditlwaello le maemo a fitlhelwa. Seno se tla fitlhelwa ka boineelo jwa bannaleseabe.

Dikaelo tsa Mokgatlho wa tsa Bojanala wa Lefatshe wa Ditšhabakopano

- 4.12 Mekgatlho e e farologaneng ya boditšhabatšhaba e tlamile tiro ya setegeniki mabapi le pulo e e sireletsegileng ya ikonomi ya lefatshe lotlhe. UNWTO, bothati jwa lefatshe lotlhe mo maetong le mo bojanaleng, le bona bo tlamile tiro ya setegeniki e e tsenyeletsang maeto a difofane, kgorogo kwa melerwaneng, ditlhongwa tsa go tshola bajaranala le dikgatlhegelo. UNWTO e tshitsintse ditsela tse di kgabaganyang tsa lephata la poraefete tse di latelang.
- (a) Go tsenngwa mo tirisong ga diporotokolo tsa lefatshe lotlhe tse di ruantsweng tsa boitekanelo, tshireletsego le bophepa;
 - (b) go katisetsa badiri diporotokolo tsa pabalesego le tshireletsego gape le kabo ya ditirelo e e sireletsegileng;
 - (c) go phephafatswa ga boalogodimo bongwe le bongwe kgapetsakgapetsa, go dirisa ditlhagiso le dibolayatwatsi tse di tsamaelanang le ditlhokego le ka kelotlhoko e kgolo go maalogodimo a a kgongwang kgapetsakgapetsa;
 - (d) go loga maano a fa go ka diragala gore moeng kgotsa modiri a lwale a le mo lefelong;
 - (e) go tlhama dikomitithulaganyo tsa ka fa gare tsa COVID-19 le maroborobo a a amanang go sala morago tsenyotirisong le tiragatso ya diporotokolo le kabo ya ditirelo;
 - (f) go tlhama gape ditsamaiso tse di mabapi le mekgwatiriso ya go sa kgomeng ya sedijitale mo mafelong otlhe a a kgonang go kgongwa;
 - (g) go tshola direkoto tsa tshedimosetso ya dipalopalo ya togamaano le taolo ya bojanala ka thulaganyo e e feletseng mmogo le bothati jwa bosetšhaba jwa dipalopalo tsa bojanala; le
 - (h) go tswelletsisa puisano ya loago le go dira go netefatsa boitekanelo le botsogo jwa badiri le tikologo ya tiro.

Dintlha tsa go Kaela go Bulwa ga Lephata

- 4.13 Go latela maemo ano le ka moo batho ba tlhokafalang ka teng mo Aforika Borwa, go bulwa gape ga lephata la bojanala go kaelwa segolo ke bopaki jwa tsa kanamo ya malwetse go etswe tlhoko tlhomamiso ya kelo ya tshwaetsano. Gareng ga tse dingwe, dintlha tse di latelang di tla laela go tsewa ga tshwetso mabapi le go bewa ga nako le mokgwa wa go dira wa bojanala le maphatatlaleletso a jona:
- (a) Kwelotlase mo palong ya ditshwaetso tsa COVID-19 le maroborobo a mangwe a a amanang;
 - (b) boitekanelo le tshireletsego ya badiri;
 - (c) leanotiro mo lebakeng la tshwaetso magareng ga bajanala kgotsa badiri;
 - (d) tirisanommogo magareng ga bothati jwa selegae le lephata la bojanala go netefatsa karogano ya tshedimoseetso;
 - (e) go katiswa ga badiri mo ditlhongweng ka ga COVID-19 le maroborobo a mangwe a a amanang;
 - (f) taolo ya badiri mabapi le dipalo mo mafelong a tiro;
 - (g) tlamelo ya tshedimoseetso e e tlhamaletseng go bajanala mabapi le ditsela tsa boitekanelo;
 - (h) thibelo ya ditshwaetso le ditsela tsa taolo; le
 - (i) sekgala sa go se atumalane le bophepha.

Meono e e Kaelang Maeto a a Sireletsegileng a se na Dikgoreletsi le go Bulwa Gape ga Lephata

- 4.14 Tsamaiso ya go bulwa gape ga lephata la bojanala ka mokgwa o o sireletsegileng e bile o se na dikgoreletsi e baya mosepedi kwa setlhoeng sa tsela nngwe le nngwe. Meono e e latelang e tlhaloswa ke UNWTO:
- (a) Go se kgethololwe ga basepedi;
 - (b) tlhaeletsano e e tlhapileng ka ga diporotokolo le melawanataolo ya boitekanelo le melawanataolo;

- (c) Melaetsakhutswe go bajanala fa ba goroga go ba itsise ka ga melawana le melawanataolo e e beilweng;
- (d) karogano ya tshedimose tso fa fela go dumalanwe;
- (e) melawana ya sekgala sa go se atumalane;
- (f) mekgwa e e gatetseng pele ya go inetefaletsa loeto ntle le go amana le ope;
- (g) go fitlhelela mo inthaneteng lenanetiriswa la patlomotlhala;
- (h) tuelo le inetefaletso ya leeto ntle le kamano; le
- (i) dithekete tsa seileketeroniki le dipeeletso tsa maeto ka inthanete mabapi le go etela mafelo a kgatlhegelo le a go itlosa bodutu.

5. TIRISO YA DITLWAELO LE MAEMO

Ditlwaelo le maemo tseno di tla diriswa mo lephateng la bojanala bosetšhaba. .

6. DITLWAELO LE MAEMO TSA DITLHONGWA TSA BOJANALA

Boipaakanyetso Tiro

Motho yo o rwalang maikarabelo a setlhongwa sa bojanala o tshwanetse go—

- (a) tlhama leanothibelo le le akaretsang leano la go phepafatsa le go bolaya ditwatsi;
- (b) nna le maemo a a tlhokegang a badiri mabapi le tiro;
- (c) nna le dithekenoloji tse di kopanyang go kgontsha tiriso ya metšhini jaaka go duela ntle le go amana le ope;
- (d) netefatsa kobamelo ya diporotokolo tsa sekgala sa go se atumalane le go dirisa matshwao go buisana ka tllhamalalo le bajanala le badiri;
- (e) tsenya mo tirisong ditlhatlhobo tsa tshireletse go tsa bajanala le badiri ba ba tsenang mo lefelong le go netefatsa gore badiri ba nna kwa gae fa ba itemogela matshwao a COVID-19;
- (f) thapa motlhankedi wa boitekanelo le tshireletse go le go tlhalosa ka botlalo ditiro le maikarabelo a gagwe;
- (g) dira foromo ya tlhomamiso ya bongaka le kemo ya mosepele e e tsamaelanang le POPI; le

- (h) tlhama ditsamaiso tse di tlhomamisitsweng mabapi le badiri le bajanala ba ba nang le matshwao a COVID-19 le maroborobo a mangwe a a amanang.

Boipaaakanyo

Motho yo o rwalang maikarabelo a setlhongwa sa bojanala o tshwanetse go—

- (a) katisa badiri ka ga COVID-19 le maroborobo a mangwe a a amanang go tsamaelana le dikgakololo tsa gajaana tsa boitekanelo go tswa kwa bothating jwa tsa boitekanelo le WHO;
- (b) tsenya mo tirisong diporotokolo tsa badiri, khoutu ya maitsholo le dikaelo mabapi le ditiro tsa badiri;
- (c) katisa gape badiri ka ga taolo ya tshwaetso, go aparwa ga disireletsi, bophepha le go tshola sekgala sa go sa atumalane; le
- (d) ela tlhoko ka dinako tsotlhe boitekanelo jwa badiri go netefatsa go tsenngwa mo tirisong ga dikaelo ka bothati jwa tsa boitekanelo.

Maitemogelo a a Sireletsegileng

Motho yo o rwalang maikarabelo a setlhongwa sa bojanala o tshwanetse go—

- (a) tsenya mo tirisong ditiragatso tse di tokafaditsweng tsa polao ya twatsi le phephafatso;
- (b) tsenya mo tirisong le go buisana ka ga ditsamaiso tsa tshireletsego tsa bajanala go akaretsa le sekgala sa go se atumalane;
- (c) tokafatsa tshireletsego ya dijo le bophepha mo mafelong a go jela le mo diresetšhuranteng; le
- (d) tsenya mo tirisong phephafatso e e tokafaditsweng, polao ya twatsi le sekgala sa go se atumalane mabapi le mediro.

Go Aga Botshepegi le Boikanyego

Motho yo o rwalang maikarabelo a setlhongwa sa bojanala o tshwanetse go—

- (a) netefatsa gore tlhaeletsano le badirisi ka tiriso ya thekenoloji le ka namana ka ga diporotokolo tsa tshireletsego le bophepha e tlhamaletse e bile e motlhofo;

- (b) tsenya mo tirisong matshwao a a bonagalang mo lefelong go sedimosetsa bajanala ka ga diporotokolo tsa phephafatso le sekgala sa go se atumalane; le
- (c) tlamela ka dikaelo tse di tsamaelanang le kgakololo ya bothati jwa boitekanelo go bajanala, tse di akaretsang go apara dimaseke tsa sefatlhego, bophepha jwa diatla le sekgala sa go se atumalane.

7. DITLWAELO LE MAEMO TSE DI MABAPI LE MAFELO A DIKGATLHEGEO

Boipaakanyetso Tiro le Nonofo ya Badiri

Motho yo o rwalang maikarabelo a lefelo la kgatlhegelo la bojanala o tshwanetse go —

- (a) tlhama leanothibelo mabapi le kgwebo ya kgatlhegelo;
- (b) tsenya mo tirisong diporotokolo le dikaelo tsa badiri, go akaretsa le ditlhatlhobo tsa boitekanelo;
- (c) kopanya dithekenoloji go kgontsha tiriso ya metšhini jaaka botlhoka kamano kwa mafelokamong le dituelo, fa go kgonagalang;
- (d) tsenya mo tirisong leano la tshoganyetso la COVID-19 le maroborobo a mangwe a a amanang, fa go ka tlhagelela seemo se sešwa;
- (e) katisa badiri go netefatsa tsenyotirisong ya maano a tiro; le
- (f) ela tlhoko pholo ya badiri le go ba rotloetsa gore ba latele kgakololo ya gajaana ya bothati jwa tsa boitekanelo.

Maitemogelo a Dikgatlhegelo a a Sireletsegileng

Motho yo o rwalang maikarabelo a lefelo la kgatlhegelo la bojanala o tshwanetse go—

- (a) tsenya mo tirisong ditsamaiso tse di tsepamisitsweng mo kgelelong ya leswe, polao ya ditwatsi le phepafatso e e tseneletseng;

- (b) fokotsa bokgoni jwa go tshola jwa mafelo go selekanyo se se maleba go letla sekgala sa go se atumalane;
- (c) tsenya mo tirisong ditsamaiso tsa badirisi go fokotsa kamano ka namana, jaaka go letla nako e e okeditsweng gore bajanala ba tsene mo mafelong a dikgatlhegelo le go oketsa palo ya ditiragatso; le
- (d) tlamela ka kaelo e e tshwanang e le esi mabapi le mafelo a dikgatlhegelo a a rileng.

Go Aga Botshepegi le Boikanyego Gape

A Motho yo o rwalang maikarabelo a lefelo la dikgatlhegelo la bojanala o tshwanetse go —

- (a) buisana ka botlalo le badirisi mabapi le diporotokolo tsa bophepha tse dišwa;
- (b) tlhaeletsana ka ga dikaelo tsa boitekanelo le bajanala pele ga mosepele o o tla tsewang, le fa go kgonega, fa ba goroga kwa lefelong la kgatlhegelo; le
- (c) netefatsa gore mafelo a tlhoma kwa go ka bonwang ditirelo tsa kalafi, fa go kgonega, le go netefatsa gore badiri ba ka samagana le dikgetse tsa COVID-19 le maroborobo a mangwe a a amanang.

8. DITLWAELO LE MAEMO TSA MAFELO A MEDIRO, MANYALO, DIPONTSHO, DIKOPANO LE DIKOKOANO

Boipaakanyetso Tiro le Nonofa ya Badiri

Motho yo o rwalang maikarabelo a lefelo la modiro, kopano kgotsa kokoano o tshwanetse go —

- (a) dira leanothibelo segolobogolo mabapi le thibelo ya tshwaetso, go phephafatsa le polao ya ditwatsi;
- (b) tsenya mo tirisong dikaelo tse di mabapi le tshireletsego le boitekanelo jwa badiri go akaretsa le ditlhatlhobo tsa boitekanelo le go tsenya mo tirisong pholisi ya go dula kwa malapeng mo lebakeng

la fa leloko lefe la badiri le bontsha matshwao a COVID-19 le maroborobo a mangwe a a amanang;

- (c) neelana ka tshedimose tso mabapi le dikaelo tsa sekgala sa go se atumalane malebana le mela le go dira matshwao a a bonagalang mo boalong, fa go kgonega;
- (d) netefatsa tlamelo ya diPPE go badiri jaaka dimaseke tsa sefatlhego le ditlalefo, go ya ka tsela e e ikaegileng mo dikotsing;
- (e) katisa badiri gore ba kgone go diragatsa maano a tshireletsego; le
- (f) akanya ka tiriso ya thekenoloji ya sedijithale jaaka ditaletso tsa sedijithale.

Maitemogelo a a sireletsegileng

Motho yo o rwalang maikarabelo a lefelo la mediro, kopano kgotsa kokoano o tshwanetse go —

- (a) tsenya mo tirisong kgelelo ya leswe e e tokafaditsweng, polao ya ditwatsi, le go phephafatsa ka tsenelelo;
- (b) tsenya mo tirisong ditsela tsa sekgala sa go se atumalane mabapi le peo ya ditulo, diobo, diaele le bogolo jwa dikokoano go latela dikaelo tsa puso;
- (c) fokotsa bokgoni jwa go tshola jwa mafelo go selekanyo se se maleba go kgontsha sekgala sa go se atumalane le jaaka go tlhokega go ya ka melawanataolo ya selegae;
- (d) tsenya mo tirisong ditsamaiso tsa badirisi go akaretsa le tshedimose tso ya botsayakarolo, go netefatsa sekgala sa go se atumalane; le
- (e) tsenya mo tirisong ditsela tsa go netefatsa tshireletsego ya dijo le bophepha.

Go aga boikanyego

Motho yo o rwalang maikarabelo a lefelo la modiro, kopano kgotsa kokoano o tshwanetse go—

- (a) neelana ka tshedimose tso e e tlhamaletseng ya diporotokolo tsa tshireletse go le dikaelo go batho ba ba tsenelang khonferense kgotsa kopano ka mokgwa wa sedijithale le kwa lefelong;
- (b) tsenya mo tirisong matshwao a a bonagalang go naya batsayakarolo tshedimose tso ka ga ditsela tsa tshireletse go tse di tshwanetseng go latelwa, go ralala mafelo otlhe;
- (c) akanya ka go tlhoma lefelo la tirelo ya kalafi le go netefatsa gore badiri ba ka kgona go samagana le dikgetse tsa COVID-19 le maroborobo a mangwe a a amanang; le
- (d) tsweletsa tiriso ya mananetiriswa a go sala morago motho yo go amanweng naye, fa go tlhokega, le go letlwa ke molao.

9. DITLWAELO LE MAEMO MABAPI LE DIKHIRO TSA PAKAKHUTSHWANE

Boipaakanyo jwa badiri le beng-gae

Motho yo o rwalang maikarabelo a setlhongwa sa khiro ya pakakhutshwane o tshwanetse go —

- (a) katisa mong-gae le badiri ka ga diporotokolo tsa boitekanelo le tshireletse go latela dikaelo tsa boitekanelo tsa gajaana tsa selegae le tsa boditšhabatšhaba;
- (b) tlhalosetsa badiri le mong-gae ka ga go phephafatsa, taolo ya tshwaetso le ditsamaiso tsa polao ya twatsi mabapi le ditsela tsa tshireletse go akaretsa le phephafatso ka sebolayatwatsi le go tlhapa diatla kgapetsakgapetsa;
- (c) rotloetsa gore go diriswe ditsela tsa go duela seileketeroniki kwa mafelong a go inetefaletsa leeto mabapi le go goroga le go tswa, fa go kgonega; le
- (d) tlhama leanotiro le le tlhalosang tsamaiso ya go samagana le dikgetse tsa COVID-19 le maroborobo a mangwe a a amanang.

Maitemogelo a a Sireletsegileng

Motho yo o rwalang maikarabelo a setlhongwa sa khiro ya pakakhutshwane o tshwanetse go —

- (a) latela ditsela tse di tokafaditsweng tsa go phepafatsa kgapetsakgapetsa, go phephafatsa ka tiriso ya sebolayatwatsi le polaokokwanatlhoko;
- (b) buisana le bajanala ka diporotokolo tsa boitekanelo le tshireletsego pele ga kgorogo;
- (c) tlhalosa melawana e e ka ga sekgala sa go se atumalane, go aparwa ga dimaseke tsa sefatlhego le go phepafatsa diatla ka sebolayatwatsi; le
- (d) itsise bajanala ka go tlatša diforomo tsa tlhomamiso ya boitekanelo le tshedimosetso e e maleba ya kgolagano, pele ga nako.

10. DITLWAELO LE MAEMO TSA KWA MAROBALONG

Boipaakanyo jwa badiri le beng-gae

Motho yo o rwalang maikarabelo a kwa marobalong o tshwanetse go—

- (a) katisa mong-gae le badiri ka ga diporotokolo tsa boitekanelo le tshireletsego, go latela dikaelo tsa boitekanelo tsa gajaana tsa selegae le tsa boditšhabatšhaba;
- (b) tlhalosetsa badiri le mong-gae ka ga go phephafatsa, taolo ya tshwaetso le ditsamaiso tsa polao ya twatsi mabapi le ditsela tsa tshireletsego, go akaretsa le phephafatso ka sebolayatwatsi le go tlhapa diatla kgapetsakgapetsa;
- (c) rotloetsa gore go diriswe ditsela tsa go duela seileketeroniki kwa mafelong a go inetefaletsa leeto mabapi le go goroga le go tswa, fa go kgonega; le
- (d) tlhama leanotiro le le tlhalosang tsamaiso ya go samagana le dikgetse tsa COVID-19 le maroborobo a a amanang.

Maitemogelo a a Sireletsegileng

Motho yo o rwalang maikarabelo a kwa marobalong o tshwanetse go—

- (a) latela ditsela tse di tokafaditsweng tsa go phepafatsa kgapetsakgapetsa, go phephafatsa ka tiriso ya sebolayatwatsi le polaokokwanatlhoko;
- (b) buisana le bajanala ka diporotokolo tsa boitekanelo le tshireletsego pele ga kgorogo;
- (c) tlhalosa melawana e e ka ga sekgala sa go se atumalane, go aparwa ga dimaseke tsa sefatlhego le go phepafatsa diatla ka sebolayatwatsi; le
- (d) itsise bajanala ka go tlatša diforomo tsa tlhomamiso ya boitekanelo le tshedimosetso e e maleba ya kgolagano, pele ga nako.

11. DITLWAELO LE MAEMO MABAPI LE DITIRELO TSA DIJO

Boipaakanyetso Tiro le Nonofa ya Badiri

Motho yo o rwalang maikarabelo a ditirelo tsa dijo o tshwanetse go—

- (a) tlhama leanothibelo le le mabapi le kgwebo ya kgatlhegelo;
- (b) tsenya mo tirisong diporotokolo le dikaelo tsa badiri, go akaretša le ditlhatlhobo tsa boitekanelo;
- (c) kopanya dithekenoloji go kgontsha tiriso ya metšhini jaaka botlhoka kamano kwa mafelokamong le dituelo, fa go kgonagalang;
- (d) tsenya mo tirisong leano la tshoganyetso la COVID-19 le maroborobo a mangwe a a amanang, fa go ka tlhagelela seemo se sešwa;
- (e) katisa badiri go netefatsa tsenyotirisong ya maano a tiro; le
- (f) ela tlhoko pholo ya badiri le go ba rotloetsa gore ba latele kgakololo ya gajaana ya bothati jwa tsa boitekanelo.

Maitemogelo a a sireletsegileng

Motho yo o rwalang maikarabelo a ditirelo tsa dijo o tshwanetse go—

- (a) tsenya mo tirisong ditsamaiso tse di tsepamisitsweng mo kgelelong ya leswe, polao ya ditwatsi le phepafatso e e tseneletseng;
- (b) tsenya mo tirisong ditsela tsa sekgala sa go se atumalane mabapi le peo ya ditulo, diobo, diaele le bogolo jwa dikokoano go latela dikaelo tsa puso;
- (c) fokotsa bokgoni jwa go tshola jwa mafelo go selekanyo se se maleba go letla sekgala sa go se atumalane le jaaka go tlhokega go latela melawanatsamaiso ya selegae;
- (d) tsenya mo tirisong ditsamaiso tsa badirisi go akaretsa le tshedimosetso ya botsayakarolo, go netefatsa sekgala sa go se atumalane; le
- (e) tsenya mo tirisong ditsela tsa go netefatsa tshireletsego le bophepha jwa dijo.

12. DITLWAELO LE MAEMO MABAPI LE DITLAMO TSA MAETO

Boipaakanyetso Tiro

Motho yo o rwalang maikarabelo a setlamo sa maeto o tshwanetse go—

- (a) tlhama leanotiro le le akaretsang leano la go phepafatsa le polao ya twatsi;
- (b) nna le maemo a a tlhokegang a badiri go simolola tiro gape;
- (c) nna le dithekenoloji tse di kopanyang go kgontsha tiriso ya metšhini jaaka go duela ntle go amana le ope, fa go kgonega;
- (d) netefatsa kobamelo ya diporotokolo tsa sekgala sa go se atumalane, e bile fa go kgonega, go dirisa matshwao a a bonagalang go tlhaeletsana le bajanala le badiri; le

- (e) tsenya mo tirisong ditlhatlhobo tsa tshireletsego tsa bajanala le badiri ba ba tsenang mo lefelong le go netefatsa gore badiri ba nna kwa gae fa ba itemogela matshwao a COVID-19 le maroborobo a mangwe a a amanang.
- (f) thapa motlhankedi wa boitekanelo le tshireletsego le go tlhalosa ka botlalo ditiro le maikarabelo a gagwe.
- (g) dira foromo ya tlhomamiso ya bongaka le kemo ya mosepele e e tsamaelanang le POPI; le
- (h) tlhama ditsamaiso tse di tlhomamisitsweng mabapi le badiri le bajanala ba ba nang le matshwao a COVID-19 le maroborobo a mangwe a a amanang.

Boipaakanyo

Motho yo rwalang maikarabelo a setlamo sa maeto o tshwanetse go—

- (a) katisa badiri ka ga COVID-19 le maroborobo a mangwe a a amanang go tsamaelana le dikgakololo tsa gajaana tsa boitekanelo go tswa kwa bothating jwa tsa boitekanelo le WHO;
- (b) tsenya mo tirisong diporotokolo tsa badiri, khoutu ya maitsholo le dikaelo mabapi le ditiro tsa badiri;
- (c) katisa gape badiri ka ga taolo ya tshwaetso, go aparwa ga disireletsi, maphelo le go tshola sekgala sa go se atumalane; le
- (d) ela tlhoko ka dinako tsotlhe boitekanelo jwa badiri go netefatsa go tsenngwa mo tirisong ga dikaelo ka bothati jwa tsa boitekanelo.

Maitemogelo a a Sireletsegileng

Motho yo o rwalang maikarabelo a setlamo sa maeto o tshwanetse go—

- (a) tsenya mo tirisong ditiragatso tse di tokafaditsweng tsa polao ya twatsi le phephafatso;
- (b) tsenya mo tirisong le go buisana ka ga ditsamaiso tsa tshireletsego tsa bajanala go akaretsa le sekgala sa go se atumalane; le
- (c) tsenya mo tirisong phephafatso e e tokafaditsweng, polao ya twatsi le sekgala sa go se atumalane mabapi le mediro.

Go Aga Botshepegi le Boikanyego

Motho yo o rwalang maikarabelo a setlamo sa maeto o tshwanetse go—

- (a) netefatsa gore tlhaeletsano le badirisi ka tiriso ya thekenoloji le ka namana ka ga diporotokolo tsa tshireletsego le bophepha e tlhamaletse e bile e motlhofo;
- (b) tsenya mo tirisong matshwao a a bonagalang mo lefelong go sedimosetsa bajanala ka ga diporotokolo tsa phephafatso le sekgala sa go se atumalane; le
- (c) tlamela ka dikaelo tse di tsamaelanang le kgakololo ya bothati jwa boitekanelo go bajanala, tse di akaretsang go apara dimaseke tsa sefatlhego, bophepha jwa diatla le sekgala sa go se atumalane.

I. DITLWAELO LE MAEMO MABAPI LE DIKHASINO

Boipaakanyetso tiro le nonofo ya badiri

Motho yo o rwalang maikarabelo a khasino o tshwanetse go—

- (a) dira leanothibelo segolobogolo mabapi le thibelo ya tshwaetso, go phephafatsa le polao ya ditwatsi;
- (b) tsenya mo tirisong dikaelo tse di mabapi le tshireletsego le boitekanelo jwa badiri go akaretsa le ditlhatlhobo tsa boitekanelo le go tsenya mo tirisong pholisi ya go dula kwa malapeng mo lebakeng la fa leloko lefe la badiri le bontsha matshwao a COVID-19 le maroborobo a mangwe a a amanang;
- (c) neelana ka tshedimosetso mabapi le dikaelo tsa sekgala sa go se atumalane malebana le mela le go dira matshwao a a bonagalang mo boalong, fa go kgonega;
- (d) netefatsa tlamelo ya diPPE go badiri jaaka dimaseke tsa sefatlhego le ditlalafo, go ya ka tsela e e ikaegileng mo dikotsing;
- (e) katisa badiri gore ba kgone go diragatsa maano a tshireletsego; le
- (f) akanya ka tiriso ya thekenoloji ya sedijithale jaaka ditaletso tsa sedijithale.

Maitemogelo a a sireletsegileng

Motho yo o rwalang maikarabelo a khasino o tshwanetse go—

- (a) tsenya mo tirisong kgelelo ya leswe e e tokafaditsweng, polao ya ditwatsi, le go phephafatsa ka tsenelelo;
- (b) tsenya mo tirisong ditsela tsa sekgala sa go se atumalane mabapi le peo ya ditulo, diobo, diaele le bogolo jwa dikokoano go latela dikaelo tsa puso;
- (c) fokotsa bokgoni jwa go tshola jwa mafelo go selekanyo se se maleba go kgontsha sekgala sa go se atumalane le jaaka go tlhokega go ya ka melawanataolo ya selegae;
- (d) tsenya mo tirisong ditsamaiso tsa badirisi go akaretsa le tshedimosetso ya botsayakarolo, go netefatsa sekgala sa go se atumalane.

Go aga boikanyego

Motho yo o rwalang maikarabelo a khasino o tshwanetse go—

- (a) neelana ka tshedimosetso e e tlhamaletseng ya diporotokolo tsa tshireletsego le dikaelo go batho ba ba tsenelang khonferense kgotsa kopano ka mokgwa wa sedijithale le kwa lefelong;
- (b) tsenya mo tirisong matshwao a a bonagalang go naya batsayakarolo tshedimosetso ka ga ditsela tsa tshireletsego tse di tshwanetseng go latelwa, go ralala mafelo otlhe;
- (c) consider akanya ka go tlhoma lefelo la tirelo ya kalafi le go netefatsa gore badiri ba ka kgona go samagana le dikgetse tsa COVID-19 le maroborobo a a amanang; le
- (d) tswelletsa tiriso ya mananetiriswa a go sala morago motho yo go amanweng naye, fa go tlhokega, le go letlwa ke molao.

I. MABENKELE A A REKISANG DILO TSE DI SA TLWAELEGANG**Boipaakanyetso Tiro le Nonofo ya Badiri**

Motho yo o rwalang maikarabelo a lebenkele le le rekisang dilo tse di sa tlwaelegang o tshwanetse go—

- (a) tsenya mo tirisong diporotokolo le dikaelo tsa badiri, go akaretsa le ditlhatlhobo tsa boitekanelo;
- (b) kopanya dithekenoloji go kgontsha tiriso ya metšhini jaaka botlhoka kamano kwa mafelokamong le dituelo, fa go kgonega;
- (c) tsenya mo tirisong leano la tshoganyetso la COVID-19 le maroborobo a a amanang, fa go ka tlhagelela seemo se sešwa;
- (d) katisa badiri go netefatsa tsenyotirisong ya maano a tiro; le
- (e) ela tlhoko pholo ya badiri le go ba rotloetsa gore ba latele kgakololo ya gajaana ya bothati jwa tsa boitekanelo.

Maitemogelo a Dikgatlhegelo a a Sireletsegileng

Motho yo o rwalang maikarabelo a lebenkele le le rekisang dilo tse di sa tlwaelegang o tshwanetse go—

- (a) tsenya mo tirisong ditsamaiso tse di tsepamisitsweng mo kgelelong ya leswe, polao ya ditwatsi le phepafatso e e tseneletseng;
- (b) fokotsa bokgoni jwa go tshola jwa lebenkele le le rekisang dilo tse di sa tlwaelegang go selekanyo se se siametseng sekgala sa go se atumalane; le
- (c) tsenya mo tirisong ditsamaiso tsa badirisi go fokotsa kamano ka namana, jaaka go letla nako e e okeditsweng gore bareki ba tsene mo lebenkeleng le le rekisang dilo tse di sa tlwaelegang.

Go Aga Botshepegi le Boikanyego Gape

Motho yo o rwalang maikarabelo a lebenkele le le rekisang dilo tse di sa tlwaelegang o tshwanetse go—

- (a) buisana ka botlalo le badirisi mabapi le diporotokolo tsa bophepha tse dišwa; le
- (b) tlhaeletsana ka ga dikaelo tsa boitekanelo le bajanala pele ga mosepele o o tla tsewang, le fa go kgonega, fa ba goroga kwa lebenkeleng le le rekisang dilo tse di sa tlwaelegang.

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION**NOTICE 697 OF 2021****INTERNATIONAL TRADE ADMINISTRATION COMMISSION OF SOUTH AFRICA****CHANGES TO SCHEDULE NOS. 1, 3, 4, 5 AND 6 TO THE CUSTOMS AND EXCISE ACT, 1964, TO IMPLEMENT HS 2022 AND THE EFFECT OF THESE CHANGES ON PERMITS ISSUED BY THE INTERNATIONAL TRADE ADMINISTRATION COMMISSION OF SOUTH AFRICA**

On 22 October 2021, the Deputy Minister of Finance published notices in Government Gazette No. 45378 to amend Schedule Nos. 1, 3, 4, 5 and 6 of the Customs and Excise Act, 1964 (Act No. 91 of 1964) to implement the 2022 version of the Harmonised System (HS) nomenclature. These changes to the Schedules will be in effect from 1 January 2022. In light of the implementation of HS 2022 with effect from 1 January 2022, a permit issued by the International Trade Administration Commission of South Africa shall be regarded as having been issued for the amended item or tariff heading or subheading shown in the column for "Version 2022 (HS 2022)" if such permit has been, immediately prior to 1 January 2022, issued for the corresponding item or tariff heading or subheading for "Version 2017 (HS 2017)" listed in the correlation table on the SARS website.

Enquiries in regard to this notice may be directed to the Senior Manager: Import and Export Control, Mr. Marius Collins at telephone number +27 12 394 3617 or the Senior Manager: Tariff Investigations 1, Ms Rika Theart at telephone number +27 12 394 3674.

DEPARTMENT OF TRANSPORT

NOTICE 698 OF 2021

INTERNATIONAL AIR SERVICE ACT, (ACT NO.60 OF 1993)**GRANT /AMENDMENT OF INTERNATIONAL AIR SERVICE LICENSE**

Pursuant to the provisions of section 17 (12) of Act No.60 of 1993 and Regulation 15 (1) and 15 (2) of the International Air Regulations, 1994, it is hereby notified for general information that the applications, detail of which appear in the Schedules hereto, will be considered by the International Air Services Council (Council) Representation in accordance with section 16(3) of the Act No. 60 of 1993 and regulation 25(1) of International Air Services Regulation, 1994, against or in favour of an application, should reach the Chairman of the International Air Services Council at Department of Transport, Private Bag X 193, Pretoria, 0001, within 28 days of the application hereof. It must be stated whether the party or parties making such representation is / are prepared to be represent or represented at the possible hearing of the application.

APPENDIX II

(A) Full name, surname and trade name of the applicant. (B) Full business or residential address of the applicant. (C) Class and number of licence in which the amendment is made. (D) Type of International Air Service in respect which amendment was made. (E) Category or kind of aircraft in respect of which license was made. (F) Airport in respect of which the amendment was made. (G) Area to be served. (H) Frequency of flight of which the amendment was made. (I) Condition under which amendment was made.

(A) C & G Air CC; King Air Charter. (B) Hangar 205, Gate 9, Lanseria International Airport, Lanseria. (C) Class II & III; I/N088 & I/G249. (D) Type N1, N4, G7 & G8. (E) Category A1, A2, A3, A4, H1 & H2. **Changes to the MP:** Mr P. T. Fortuin replaces Mr S. Jordan as the RP: Flight Operations & Mr J. B. Cochrane replaces Mr A. E. C. Smart as the RP: Aircraft.

DEPARTMENT OF TRANSPORT

NOTICE 699 OF 2021

**AIR SERVICE LICENSING ACT, 1990 (ACT NO.115 OF 1990)
APPLICATION FOR THE GRANT OR AMENDMENT OF DOMESTIC AIR
SERVICE LICENCE**

Pursuant to the provisions of section 15 (1) (b) of Act No. 115 of 1990 and Regulation 8 of the Domestic Air Regulations, 1991, it is hereby notified for general information that the application detail of which appear in the appendix, will be considered by the Air Service Licensing Council. Representation in accordance with section 15 (3) of the Act No. 115 of 1990 in support of, or in position, an application, should reach the Air Service Licensing Council. Private Box X 193, Pretoria, 0001, within 21 days of date of the publication thereof.

APPENDIX I

(A) Full name and trade name of the applicant. (B) Full business or residential address of the applicant. (C) Class of licence applied for. (D) Type of air service to which application applies. (E) Category of aircraft to which application applies

(A) Bidvest Protea Coin (Pty) Ltd. (B) 222 Witch Hazel Ave, Highveld Techno Park, Centurion, 0157. (C) Class III. (D) Type G3, G4 & G16 (RPAS). (E) Category A4 & H1.

(A) Mezher Group (Pty) Ltd. (B) 4 Nelshoogte, Middelburg, 1050. (C) Class III. (D) Type G3, G4 & G16 (RPAS). (E) Category H1.

(A) SMQ Technical Services (Pty) Ltd. (B) 207 Mkatshwa Street, Lynville, Emalahleni, Mpulanga, 1039. (C) Class III. (D) Type G3, G4 & G16 (RPAS). (E) Category H1.

(A) Variable Effects (Pty) Ltd. (B) 3 Aronkelk Street, Edelweiss Ext 1, Springs, 1559. (C) Class III. (D) Type G3, G4 & G16 (RPAS). (E) Category H1.

APPENDIX II

(A) Full Name and trade name of the applicant. (B) Full business or residential address of the applicant. (C) The Class and number of license in respect of which the amendment is sought (D) Type of air service and the amendment thereto which is being applied for (E) Category of aircraft and the amendment thereto which is being applied for.

(A) Skyhook (Pty) Ltd. (B) 102 Francis Street, Zinnebloem, Cape Town, 7925. (C) Class III; G1229D. (D) Type G2, G3, G4 & G16 (RPAS). (E) Category A4, H1 & H2. **Change to the MP:** Palesa Shitlabane replaces Sonet Kock as the Quality Assurance Manager, Patricia Unterberger replaces Robin Gorringer as the Safety Manager & Toni Unterberger replaces Graham Newton as the RP: Aircraft & RP: Flight Operations.

(A) Streamline Cinema (Pty) Ltd. (B) Unit 5, Fairway Business Park, Stilbitz Street, Westlake, Western Cape, 7945. (C) Class III; G1456D. (D) Type G3, G4 & G16 (RPAS). (E) Category H1. **Change Directors & Shareholding:** Roxanne Searle has 50% & Jonathan Searle has 50% & **Change to the MP:** Jonathan Searle replaces Taryn Green as the Accountable Manager, Roxanne Searle replaces Jonathan Searle as the Safety Manager, Jonathan Searle replaces Wesley Green as the RP: Aircraft & RP: Flight Operations.

(A) Wrend Holdings (Pty) Ltd; Wrend . (B) Suite 17, Featherbrooke, Business Park, Eagle Road, Krugerdorp. (C) Class III; G1493D. (D) Type G3, G4 & G16 (RPAS). (E) Category H1. **Addition of category A4.**

(A) C & G Air CC; Kling Air Charter. (B) Hangar 205, Gate 9, Lanseria International Airport, Lanseria. (C) Class II & III; N486D & G538D. (D) Type N1, N2, G2, G7, G8, G10, G11 & G15. (E) Category A1, A2, A3, A4, H1 & H2. **Changes to the MP:** Mr P. T. Fortuin replaces Mr S. Jordan as the RP: Flight Operations & Mr J. B. Cochrane replaces Mr A. E. C. Smart as the RP: Aircraft.

(A) Bonavide (Pty) Ltd. (B) 306 Sefako Makgatho Drive, Sinnoville, Pretoria.0181. (C) Class III; G1332D. (D) Type G16 (RPAS). (E) Category H1. **Addition of type G3 & G4.**

(A) Drone Pilot School (Pty) Ltd; Drone Pilot School. (B) Helicopter Charter & Training, Port Elizabeth Airport, General Aviation Section, Boeing Road, Port Elizabeth, 6065. (C) Class III; G1398D. (D) Type G3, G4 & G16 (RPAS). (E) Category H1. **Changes to the MP:** Sabine Buys is appointed as the Air Service Safety Officer.

DEPARTMENT OF TRANSPORT

NOTICE 700 OF 2021

**AIR SERVICE LICENSING ACT, 1990 (ACT NO.115 OF 1990)
APPLICATION FOR THE GRANT OR AMENDMENT OF DOMESTIC AIR
SERVICE LICENCE**

Pursuant to the provisions of section 15 (1) (b) of Act No. 115 of 1990 and Regulation 8 of the Domestic Air Regulations, 1991, it is hereby notified for general information that the application detail of which appear in the appendix, will be considered by the Air Service Licensing Council. Representation in accordance with section 15 (3) of the Act No. 115 of 1990 in support of, or in position, an application, should reach the Air Service Licensing Council. Private Box X 193, Pretoria, 0001, within 21 days of date of the publication thereof.

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(A) Full name and trade name of the applicant. (B) Full business or residential address of the applicant. (C) Class of licence applied for. (D) Type of air service to which application applies. (E) Category of aircraft to which application applies

(A) Bidvest Protea Coin (Pty) Ltd. (B) 222 Witch Hazel Ave, Highveld Techno Park, Centurion, 0157. (C) Class III. (D) Type G3, G4 & G16 (RPAS). (E) Category A4 & H1.

(A) Mezher Group (Pty) Ltd. (B) 4 Nelshoogte, Middelburg, 1050. (C) Class III. (D) Type G3, G4 & G16 (RPAS). (E) Category H1.

(A) SMQ Technical Services (Pty) Ltd. (B) 207 Mkatshwa Street, Lynville, Emalahleni, Mpulanga, 1039. (C) Class III. (D) Type G3, G4 & G16 (RPAS). (E) Category H1.

(A) Variable Effects (Pty) Ltd. (B) 3 Aronkelk Street, Edelweiss Ext 1, Springs, 1559. (C) Class III. (D) Type G3, G4 & G16 (RPAS). (E) Category H1.

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(A) Skyhook (Pty) Ltd. (B) 102 Francis Street, Zinnebloem, Cape Town, 7925. (C) Class III; G1229D. (D) Type G2, G3, G4 & G16 (RPAS). (E) Category A4, H1 & H2. **Change to the MP:** Palesa Shitlabane replaces Sonet Kock as the Quality Assurance Manager, Patricia Unterberger replaces Robin Gorringer as the Safety Manager & Toni Unterberger replaces Graham Newton as the RP: Aircraft & RP: Flight Operations.

(A) Streamline Cinema (Pty) Ltd. (B) Unit 5, Fairway Business Park, Stllbitz Street, Westlake, Western Cape, 7945. (C) Class III; G1456D. (D) Type G3, G4 & G16 (RPAS). (E) Category H1. **Change Directors & Shareholding:** Roxanne Searle has 50% & Jonathan Searle has 50% & **Change to the MP:** Jonathan Searle replaces Taryn Green as the Accountable Manager, Roxanne Searle replaces Jonathan Searle as the Safety Manager, Jonathan Searle replaces Wesley Green as the RP: Aircraft & RP: Flight Operations.

(A) Wrend Holdings (Pty) Ltd; Wrend . (B) Suite 17, Featherbrooke, Business Park, Eagle Road, Krugerdorp. (C) Class III; G1493D. (D) Type G3, G4 & G16 (RPAS). (E) Category H1. **Addition of category A4.**

(A) C & G Air CC; Kling Air Charter. (B) Hangar 205, Gate 9, Lanseria International Airport, Lanseria. (C) Class II & III; N486D & G538D. (D) Type N1, N2, G2, G7, G8, G10, G11 & G15. (E) Category A1, A2, A3, A4, H1 & H2. **Changes to the MP:** Mr P. T. Fortuin replaces Mr S. Jordan as the RP: Flight Operations & Mr J. B. Cochrane replaces Mr A. E. C. Smart as the RP: Aircraft.

(A) Bonavide (Pty) Ltd. (B) 306 Sefako Makgatho Drive, Sinnoville, Pretoria.0181. (C) Class III; G1332D. (D) Type G16 (RPAS). (E) Category H1. **Addition of type G3 & G4.**

(A) Drone Pilot School (Pty) Ltd; Drone Pilot School. (B) Helicopter Charter & Training, Port Elizabeth Airport, General Aviation Section, Boeing Road, Port Elizabeth, 6065. (C) Class III; G1398D. (D) Type G3, G4 & G16 (RPAS). (E) Category H1. **Changes to the MP:** Sabine Buys is appointed as the Air Service Safety Officer.

DEPARTMENT OF TRANSPORT

NOTICE 701 OF 2021

**AIR SERVICE LICENSING ACT, 1990 (ACT NO.115 OF 1990)
APPLICATION FOR THE GRANT OR AMENDMENT OF DOMESTIC AIR
SERVICE LICENCE**

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(A) Mezher Group (Pty) Ltd. (B) 4 Nelshoogte, Middelburg, 1050. (C) Class III. (D) Type G3, G4 & G16 (RPAS). (E) Category H1.

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(A) Variable Effects (Pty) Ltd. (B) 3 Aronkelk Street, Edelweiss Ext 1, Springs, 1559. (C) Class III. (D) Type G3, G4 & G16 (RPAS). (E) Category H1.

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(A) Skyhook (Pty) Ltd. (B) 102 Francis Street, Zinnebloem, Cape Town, 7925. (C) Class III; G1229D. (D) Type G2, G3, G4 & G16 (RPAS). (E) Category A4, H1 & H2. **Change to the MP:** Palesa Shitlabane replaces Sonet Kock as the Quality Assurance Manager, Patricia Unterberger replaces Robin Gorringer as the Safety Manager & Toni Unterberger replaces Graham Newton as the RP: Aircraft & RP: Flight Operations.

(A) Streamline Cinema (Pty) Ltd. (B) Unit 5, Fairway Business Park, Stilbitz Street, Westlake, Western Cape, 7945. (C) Class III; G1456D. (D) Type G3, G4 & G16 (RPAS). (E) Category H1. **Change Directors & Shareholding:** Roxanne Searle has 50% & Jonathan Searle has 50% & **Change to the MP:** Jonathan Searle replaces Taryn Green as the Accountable Manager, Roxanne Searle replaces Jonathan Searle as the Safety Manager, Jonathan Searle replaces Wesley Green as the RP: Aircraft & RP: Flight Operations.

(A) Wrend Holdings (Pty) Ltd; Wrend . (B) Suite 17, Featherbrooke, Business Park, Eagle Road, Krugerdorp. (C) Class III; G1493D. (D) Type G3, G4 & G16 (RPAS). (E) Category H1. **Addition of category A4.**

(A) C & G Air CC; Kling Air Charter. (B) Hangar 205, Gate 9, Lanseria International Airport, Lanseria. (C) Class II & III; N486D & G538D. (D) Type N1, N2, G2, G7, G8, G10, G11 & G15. (E) Category A1, A2, A3, A4, H1 & H2. **Changes to the MP:** Mr P. T. Fortuin replaces Mr S. Jordan as the RP: Flight Operations & Mr J. B. Cochrane replaces Mr A. E. C. Smart as the RP: Aircraft.

(A) Bonavide (Pty) Ltd. (B) 306 Sefako Makgatho Drive, Sinnoville, Pretoria.0181. (C) Class III; G1332D. (D) Type G16 (RPAS). (E) Category H1. **Addition of type G3 & G4.**

(A) Drone Pilot School (Pty) Ltd; Drone Pilot School. (B) Helicopter Charter & Training, Port Elizabeth Airport, General Aviation Section, Boeing Road, Port Elizabeth, 6065. (C) Class III; G1398D. (D) Type G3, G4 & G16 (RPAS). (E) Category H1. **Changes to the MP:** Sabine Buys is appointed as the Air Service Safety Officer.

BOARD NOTICES • RAADSKENNISGEWINGS

BOARD NOTICE 173 OF 2021

Building 2 Greenstone Hill Office Park Emerald Boulevard Modderfontein
PO Box 8237 Greenstone 1616 Johannesburg South Africa
Tel 087 940 8800 Fax 087 940 8873 E-mail board@irba.co.za
Internet www.irba.co.za

**PROPOSED AMENDMENTS TO THE CODE OF PROFESSIONAL CONDUCT
FOR REGISTERED AUDITORS**

In accordance with the provisions of Section 10(1)(a) of the Auditing Profession Act, 2005 (Act No. 26 of 2005) (the Act), the Independent Regulatory Board for Auditors (IRBA) hereby publishes revisions to the IRBA Code of Professional Conduct for Registered Auditors (IRBA Code):

1. NON-ASSURANCE SERVICES PROVISIONS

Please be advised that the revisions to the IRBA Code relating to Non-Assurance Services provisions are now available and may be downloaded from the IRBA website at <https://www.irba.co.za/guidance-for-ras/ethics-the-rules-and-the-code/the-irba-code-revised-2018>.

Effective date

- Revised Section 600 and the conforming amendments to Part 4A will be effective for audits and reviews of financial statements for periods beginning on or after 15 December 2022.
- The conforming and consequential amendments to Sections 900 and 950 in relation to assurance engagements with respect to underlying subject matters covering periods of time will be effective for periods beginning on or after 15 December 2022; otherwise, these amendments will be effective as of 15 December 2022.

Early adoption will be permitted.

2. FEE-RELATED PROVISIONS

Please be advised that the revisions to the IRBA Code relating to Fee-related provisions are now available and may be downloaded from the IRBA website at <https://www.irba.co.za/guidance-for-ras/ethics-the-rules-and-the-code/the-irba-code-revised-2018>.

Effective date

- For the revised Section 410 and consequential amendments to Part 4A: effective for audits of financial statements for periods beginning on or after 15 December 2022.
- For the revised Section 905: in relation to assurance engagements with respect to underlying subject matters covering periods of time, effective for periods beginning on or after 15 December 2022; otherwise, effective as of 15 December 2022.

- For conforming and consequential amendments to other Sections of the Code: effective as of 15 December 2022.

Early adoption will be permitted

For further assistance, enquires may be directed to Mr I Vanker, Director Standards, at the IRBA. Alternatively, please send an email to standards@irba.co.za.

Imre Nagy

Acting Chief Executive Officer

BOARD NOTICE 174 OF 2021**SIYANCUMA MUNICIPALITY**

SIYANCUMA MUNICIPALITY: SECTION 78(5)(a) – PUBLIC NOTICE FOR SPECIAL SUPPLEMENTARY VALUATION ROLL 2021 IS AVAILABLE FOR INSPECTION AT THE SIYANCUMA MUNICIPAL OFFICES AND WEBSITE AT

www.siyancuma.gov.za

RESPECT OF THE LOCAL GOVERNMENT: MUNICIPAL PROPERTY RATES ACT NO 6 OF 2004

This notice is served to you under the requirements of section 78(5)(a) of the Local Government Municipal Property Rates Act no 6 of 2004. The purpose of this notice is to advise you of the change in category in terms of section 78(1)(g) of the Act that will change on the next supplementary valuation of the following property:

**Mr X.S Geco
Acting Municipal Manager**

**Business Address and telephonic details of the Municipality:
13 Charl Cilliers Street,
Civic Centre, Douglas,
Tel: 053 298 1810**

Printed by and obtainable from the Government Printer, Bosman Street, Private Bag X85, Pretoria, 0001
Contact Centre Tel: 012-748 6200. eMail: info.egazette@gpw.gov.za
Publications: Tel: (012) 748 6053, 748 6061, 748 6065