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Closing times for **ORDINARY WEEKLY** **GOVERNMENT GAZETTE** **2017**

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

- **29 December**, Thursday, for the issue of Friday **06 January 2017**
- **06 January**, Friday, for the issue of Friday **13 January 2017**
- **13 January**, Friday, for the issue of Friday **20 January 2017**
- **20 January**, Friday, for the issue of Friday **27 January 2017**
- **27 January**, Friday, for the issue of Friday **03 February 2017**
- **03 February**, Friday, for the issue of Friday **10 February 2017**
- **10 February**, Friday, for the issue of Friday **17 February 2017**
- **17 February**, Friday, for the issue of Friday **24 February 2017**
- **24 February**, Friday, for the issue of Friday **03 March 2017**
- **03 March**, Friday, for the issue of Friday **10 March 2017**
- **10 March**, Friday, for the issue of Friday **17 March 2017**
- **16 March**, Thursday, for the issue of Friday **24 March 2017**
- **24 March**, Friday, for the issue of Friday **31 March 2017**
- **31 March**, Friday, for the issue of Friday **07 April 2017**
- **06 April**, Thursday, for the issue of Thursday **13 April 2017**
- **12 April**, Wednesday, for the issue of Friday **21 April 2017**
- **20 April**, Thursday, for the issue of Friday **28 April 2017**
- **26 April**, Wednesday, for the issue of Friday **05 May 2017**
- **05 May**, Friday, for the issue of Friday **12 May 2017**
- **12 May**, Friday, for the issue of Friday **19 May 2017**
- **19 May**, Friday, for the issue of Friday **26 May 2017**
- **26 May**, Friday, for the issue of Friday **02 June 2017**
- **02 June**, Friday, for the issue of Friday **09 June 2017**
- **08 June**, Thursday, for the issue of Thursday **15 June 2017**
- **15 June**, Thursday, for the issue of Friday **23 June 2017**
- **23 June**, Friday, for the issue of Friday **30 June 2017**
- **30 June**, Friday, for the issue of Friday **07 July 2017**
- **07 July**, Friday, for the issue of Friday **14 July 2017**
- **14 July**, Friday, for the issue of Friday **21 July 2017**
- **21 July**, Friday, for the issue of Friday **28 July 2017**
- **28 July**, Friday, for the issue of Friday **04 August 2017**
- **03 August**, Thursday, for the issue of Friday **11 August 2017**
- **11 August**, Friday, for the issue of Friday **18 August 2017**
- **18 August**, Friday, for the issue of Friday **25 August 2017**
- **25 August**, Friday, for the issue of Friday **01 September 2017**
- **01 September**, Friday, for the issue of Friday **08 September 2017**
- **08 September**, Friday, for the issue of Friday **15 September 2017**
- **15 September**, Friday, for the issue of Friday **22 September 2017**
- **21 September**, Thursday, for the issue of Friday **29 September 2017**
- **29 September**, Friday, for the issue of Friday **06 October 2017**
- **06 October**, Friday, for the issue of Friday **13 October 2017**
- **13 October**, Friday, for the issue of Friday **20 October 2017**
- **20 October**, Friday, for the issue of Friday **27 October 2017**
- **27 October**, Friday, for the issue of Friday **03 November 2017**
- **03 November**, Friday, for the issue of Friday **10 November 2017**
- **10 November**, Friday, for the issue of Friday **17 November 2017**
- **17 November**, Friday, for the issue of Friday **24 November 2017**
- **24 November**, Friday, for the issue of Friday **01 December 2017**
- **01 December**, Friday, for the issue of Friday **08 December 2017**
- **08 December**, Friday, for the issue of Friday **15 December 2017**
- **15 December**, Friday, for the issue of Friday **22 December 2017**
- **20 December**, Wednesday, for the issue of Friday **29 December 2017**

LIST OF TARIFF RATES FOR PUBLICATION OF NOTICES

COMMENCEMENT: 1 APRIL 2016

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 R1000 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	250.00
Ordinary National, Provincial	2/4 - Half Page	500.00
Ordinary National, Provincial	3/4 - Three Quarter Page	750.00
Ordinary National, Provincial	4/4 - Full Page	1000.00

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 **R3000** per page.

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, 12h00 - 3 days prior to publication
Regulation Gazette	Weekly	Friday	Friday 15h00, to be published the following Friday	Tuesday, 12h00 - 3 days prior to publication
Petrol Price Gazette	As required	First Wednesday of the month	One week before publication	3 days prior to publication
Road Carrier Permits	Weekly	Friday	Thursday 15h00, to be published the following Friday	3 days prior to publication
Unclaimed Monies (justice, labour or lawyers)	January / As required 2 per year	Any	15 January / As required	3 days prior to publication
Parliament (acts, white paper, green paper)	As required	Any		3 days prior to publication
Manuals	As required	Any	None	None
State of Budget (National Treasury)	Monthly	Any	7 days prior to publication	3 days prior to publication
Legal Gazettes A, B and C	Weekly	Friday	One week before publication	Tuesday, 12h00 - 3 days prior to publication
Tender Bulletin	Weekly	Friday	Friday 15h00 for next Friday	Tuesday, 12h00 - 3 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 days prior to publication
Northern Cape	Weekly	Monday	One week before publication	3 days prior to publication
North West	Weekly	Tuesday	One week before publication	3 days prior to publication
KwaZulu-Natal	Weekly	Thursday	One week before publication	3 days prior to publication
Limpopo	Weekly	Friday	One week before publication	3 days prior to publication
Mpumalanga	Weekly	Friday	One week before publication	3 days prior to publication
Gauteng Liquor License Gazette	Monthly	Wednesday before the First Friday of the month	Two weeks before publication	3 days after submission deadline
Northern Cape Liquor License Gazette	Monthly	First Friday of the month	Two weeks before publication	3 days after submission deadline
National Liquor License Gazette	Monthly	First Friday of the month	Two weeks before publication	3 days after submission deadline
Mpumalanga Liquor License Gazette	2 per month	Second & Fourth Friday	One week before	3 days prior to publication

GOVERNMENT PRINTING WORKS - BUSINESS RULES**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.gpwnonline.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.
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.

GOVERNMENT PRINTING WORKS - BUSINESS 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.

PROOF OF PUBLICATION

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.
39. Printed copies may be ordered from the Publications department at the ruling price. The **Government Printing Works** will assume no liability for any failure to post or for any delay in despatching of such *Government Gazette(s)*.

GOVERNMENT PRINTING WORKS CONTACT INFORMATION

Physical Address:
Government Printing Works

149 Bosman Street

Pretoria

Postal Address:

Private Bag X85

Pretoria

0001

GPW Banking Details:
Bank: ABSA Bosman Street

Account No.: 405 7114 016

Branch Code: 632-005

For Gazette and Notice submissions: Gazette Submissions:

For queries and quotations, contact: Gazette Contact Centre:

E-mail: submit.egazette@gpw.gov.za
E-mail: info.egazette@gpw.gov.za
Tel: 012-748 6200

Contact person for subscribers: Mrs M. Toka:

E-mail: subscriptions@gpw.gov.za
Tel: 012-748-6066 / 6060 / 6058

Fax: 012-323-9574

GOVERNMENT NOTICES • GOEWERMENTSKENNISGEWINGS

DEPARTMENT OF ENVIRONMENTAL AFFAIRS

NO. 350

13 APRIL 2017

NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998
(ACT NO. 107 OF 1998)

NOTICE OF IDENTIFICATION IN TERMS OF SECTION 24(5) OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998, OF THE PROCEDURE TO BE FOLLOWED IN APPLYING FOR ENVIRONMENTAL AUTHORISATION FOR LARGE SCALE WIND AND SOLAR PHOTOVOLTAIC DEVELOPMENT ACTIVITIES IDENTIFIED IN TERMS OF SECTION 24(2)(a) OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 WHEN OCCURRING IN GEOGRAPHICAL AREAS OF STRATEGIC IMPORTANCE IDENTIFIED IN TERMS OF SECTION 24(3) OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998, NAMELY RENEWABLE ENERGY DEVELOPMENT ZONES AND ASSOCIATED STRATEGIC TRANSMISSION CORRIDORS

I, Bomo Edith Edna Molewa, Minister of Environmental Affairs, hereby give notice of the procedure to be followed in applying for environmental authorisation, in terms of section 24(5) of the National Environmental Management Act, 1998 and Regulation 15 of the Environmental Impact Assessment Regulations, 2014 for large scale wind and solar photovoltaic development activities identified in terms of section 24(2)(a) of the National Environmental Management Act, 1998 which require environmental authorisation for activity 1 of Environmental Impact Assessment Regulations Listing Notice 2 of 2014 and any other listed and specified activities necessary for the realisation of such facilities, or activity 9 of Environmental Impact Assessment Regulations Listing Notice 2 of 2014 and any other listed and specified activities necessary for the realisation of such facilities, where the entire activity is occurring in an area of strategic importance identified in terms of section 24(3) of the National Environmental Management Act, 1998, namely in a Renewable Energy Development Zone (REDZ) or associated strategic transmission corridor, set out in the Schedule hereto.

Members of the public are invited to submit to the Minister, within 30 days after the publication of this Notice in the *Gazette*, written comments or inputs to the following addresses:

By post to: The Director-General:
Department of Environmental Affairs
Attention: Mr Franz Scheepers
Private Bag X447
PRETORIA
0001

By hand at: Reception, Environment House, 473 Steve Biko Road, Arcadia, Pretoria, 0083

By e-mail: FScheepers@environment.gov.za

Any inquiries in connection with the Notice can be directed to Ms Amanda Britz at (012) 399 9283 or 9285.

Comments received after the closing date will not be considered.



BOMO EDITH EDNA MOLEWA
MINISTER OF ENVIRONMENTAL AFFAIRS

SCHEDULE**NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (ACT NO. 107 of 1998)****IDENTIFICATION IN TERMS OF SECTION 24(5) OF THE PROCEDURE TO BE FOLLOWED IN APPLYING FOR ENVIRONMENTAL AUTHORISATION FOR LARGE SCALE WIND AND SOLAR PHOTOVOLTAIC DEVELOPMENT ACTIVITIES, IDENTIFIED IN TERMS OF SECTION 24(2)(a) OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 WHEN OCCURRING IN AREAS OF STRATEGIC IMPORTANCE, COMPILED IN TERMS OF SECTION 24(3) OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998, NAMELY RENEWABLE ENERGY DEVELOPMENT ZONES AND ASSOCIATED STRATEGIC TRANSMISSION CORRIDORS**

The Strategic Environmental Assessment for Wind and Solar Photovoltaic Energy in South Africa, 2015 has identified 8 Renewable Energy Development Zones (REDZs) that are of strategic importance for large scale wind and solar photovoltaic development, including the rollout of its supporting transmission and distribution infrastructure, in terms of Strategic Integrated Project 8: Green Energy in Support of the South African Economy and associated strategic transmission corridors, including the rollout of its supporting transmission and distribution infrastructure, in terms of Strategic Integrated Project 10: Electricity Transmission and Distribution.

On 17 February 2016, Cabinet approved the—

- Renewable Energy Development Zones (REDZs) contained in this Notice which are of strategic importance for large scale wind and solar photovoltaic development;
- associated Strategic Transmission Corridors contained in this Notice, which support areas where long term electricity grid will be developed;
- process of basic assessment to be followed and reduced decision-making timeframe for processing of applications for environmental authorisation in terms of the National Environmental Management Act, 1998; and
- acceptance of routes which have been pre-negotiated with all landowners as part of applications for environmental authorisations for powerlines and substations contemplated in this Notice.

Therefore, I hereby give Notice that applications for environmental authorisation for—

- large scale wind or solar photovoltaic facilities, when such facilities trigger activity 1 of Environmental Impact Assessment Regulations Listing Notice 2 of 2014 and any other listed and specified activities necessary for the realisation of such facilities, and where the

entire proposed facility is to occur in such Renewable Energy Development Zones (REDZs) or associated strategic transmission corridors; and,

- powerlines and substations, when such facilities trigger activity 9 of Environmental Impact Assessment Regulations Listing Notice 2 of 2014 and any other listed and specified activities necessary for the realisation of such facilities, and where the entire proposed facility is to occur in one or more such strategic transmission corridors,

must follow the basic assessment procedure contemplated in regulation 19 and 20 of the Environmental Impact Assessment Regulations, 2014 in order to obtain environmental authorisation, as required in terms of the Act.

- The timeframe for decision making as contained in the Environmental Impact Assessment Regulations, 2014 for purposes of the applications for environmental authorisation contemplated in this Notice will be 57 days.
- For applications for environmental authorisation for powerlines and substations, when such facilities require environmental authorisation for activity 9 of Environmental Impact Assessment Regulations Listing Notice 2 of 2014 and any other listed and specified activities necessary for the realisation of such facilities, as contemplated in this Notice, routes that have been pre-negotiated with all landowners must be submitted as part of such application for environmental authorisation.

The boundaries of the renewable energy development zones and associated strategic transmission corridors referred to in this Schedule are as indicated on the map, available from the Department of Environmental Affairs at <http://egis.environment.gov.za> – **Geographical Areas**

The information relating to the renewable energy development zones and associated strategic transmission corridors contained in this Schedule can also be obtained from:

PLACE	CONTACT PERSON/S	CONTACT DETAILS
Head office of the Department of Environmental Affairs	Directorate Enterprise Geospatial Information Management	GazetteMapping@environment.gov.za
	Ms Marlanie Moodley	Direct Line: 012 399 8916/ 9300 Call Centre Number: +27 86 111 2468

The Strategic Environmental Assessment for Wind and Solar Photovoltaic Energy in South Africa, 2015 and the Strategic Environmental Assessment for Electricity Grid Infrastructure in South Africa, 2016 can be accessed at:

<http://egi.csir.co.za/>;

[http://www.csir.co.za/nationalwindsolaresea](http://www.csir.co.za/nationalwindsolaresea;);

<https://egis.environment.gov.za/redz>; or

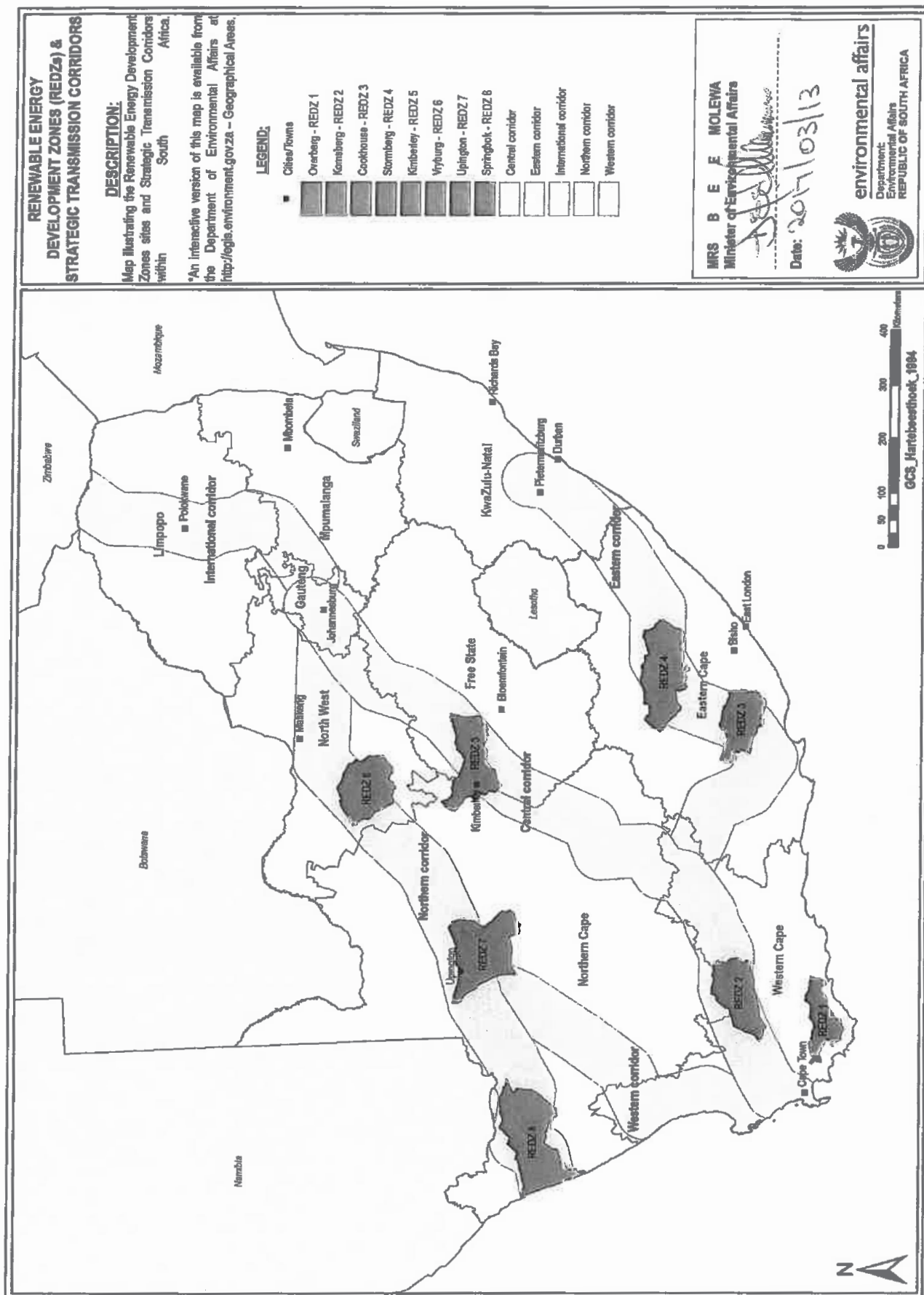
https://www.environment.gov.za/legislation/gazetted_notices

Renewable Energy Development Zones (REDZs) compiled in terms of section 24(3) of the National Environmental Management Act, 1998 are:

- Renewable energy development zone 1 – Overberg;
- Renewable energy development zone 2 – Komsberg;
- Renewable energy development zone 3 – Cookhouse;
- Renewable energy development zone 4 – Stormberg;
- Renewable energy development zone 5 – Kimberley;
- Renewable energy development zone 6 – Vryberg;
- Renewable energy development zone 7 – Upington; and
- Renewable energy development zone 8 – Springbok.

Associated strategic transmission corridors compiled in terms of section 24(3) of National Environmental Management Act, 1998 are:

- Central corridor;
- Eastern corridor;
- International corridor;
- Northern corridor; and
- Western corridor.



DEPARTMENT OF ENVIRONMENTAL AFFAIRS

NO. 351

13 APRIL 2017

NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998
(ACT NO. 107 OF 1998)NOTICE OF INTENTION TO ADOPT GAUTENG PROVINCIAL ENVIRONMENTAL MANAGEMENT
FRAMEWORK (GPEMF) STANDARDS AND EXCLUSION OF ACTIVITIES

I, Bomo Edith Edna Molewa, Minister of Environmental Affairs, hereby give notice of my intention to adopt the Gauteng Provincial Environmental Management Framework (GPEMF) standards and to exclude activities from the requirement to obtain environmental authorisation, in terms of sections 24(2)(d) and 24(10)(a) read with section 24(10)(d) of the National Environmental Management Act, 1998, as set out in the Schedule hereto.

Interested and affected parties are invited to submit, within 30 days of the publication of this notice in the *Gazette*, written representations or objections to this notice to the following address:

By post to: Department of Environmental Affairs
The Director-General
Attention: Ms S Burger
Private Bag X447
PRETORIA
0001

By hand at: Reception, Environment House, 473 Steve Biko Road, Arcadia, Pretoria.

By email: sburger@environment.gov.za

Any inquiries in connection with the notice can be directed to Ms S Burger at Tel: 012 399 9286.

Comments received after the closing date will not be considered.



BOMO EDITH EDNA MOLEWA
DATE:

SCHEDULE

Gauteng Provincial Environmental Management Framework (GPEMF)

**GPEMF STANDARDS AND ASSOCIATED EXCLUDED ACTIVITIES IN TERMS OF THE NEMA, ACT
107 OF 1998 AS AMENDED (*hereinafter referred to as "GPEMF Standards"*)**

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APPENDIX 6: DECLARATION FOR HOLDER OF ENVIRONMENTAL AUTHORISATION CONVERTING TO GPEMF STANDARDS	

CHAPTER 1

INTERPRETATION, PURPOSE AND APPLICATION

Definitions

1. In these GPEMF Standards, unless the context indicates otherwise, a word defined in the National Environmental Management Act, 1998 (Act No.107 of 1998) or the Environmental Impact Assessment Regulations has the same meaning, and—

“competent authority” means the organ of state that would have been designated by section 24C of the Act, in respect of a listed activity or specified activity;

“days” means calendar days, excluding public holidays and the period of 15 December to 5 January;

“Environmental Impact Assessment Regulations” means the Regulations published in terms of section 24(5) of the Act;

“excluded activity” means an activity identified within this schedule that is excluded from the requirement to obtain an environmental authorisation as contemplated in Appendix 1;

“mitigation measure” refers to a set of actions undertaken as part of a commitment to reduce environmental impacts;

“proponent” refers to the person that intends to undertake an excluded activity and is also responsible for ensuring compliance with these GPEMF Standards;

“registered development” means a development that has been registered with the competent authority;

“the Act” means the National Environmental Management Act, 1998 (Act No. 107 of 1998) as amended;

“Zone 1” means the Urban Development Zone that is intended to streamline urban development activities in it and to promote development infill, densification and concentration of urban development within the urban development zones, as defined in the GPEMF. Furthermore, in context of these excluded activities, any reference to the Urban Edge should be regarded as Urban Development Zone and of which a geographical representation can be found in Appendix 3 and on the departmental website; and

"Zone 5" means the Industrial and Commercial Focus Zone that is intended to streamline non-polluting industrial and large scale commercial (warehouses etc.) activities in areas that are already used for such purposes and areas that are severely degraded but in close proximity to required infrastructure (such as old and even current mining areas), as defined in the GPEMF, of which a geographical representation can be found in Appendix 3 and on the departmental website.

Purpose of this GPEMF Standards

2. The purpose of these GPEMF Standards is to provide rules which must be complied with, ensuring –

- (a) governance of the GPEMF Standards;
- (b) compliance to the principles contained in section 2 of the Act and duty of care, in terms of section 28(1) of the Act;
- (c) sustainable development within Gauteng Province; and
- (d) will negate the need to obtain an environmental authorisation in terms of the Act as provided for in section 24(2)(d) of the Act in relation to an excluded activity.

Application of this GPEMF Standards

3. (1) The provisions of these GPEMF Standards are applicable to activities excluded from acquiring an environmental authorisation as contemplated in Appendix 1 when undertaken within Zone 1 or Zone 5 of the Gauteng province as identified in terms of the adopted Gauteng Provincial Environmental Management Framework (2014).

(2) The provisions of these GPEMF Standards are not applicable to an excluded activity—

- (a) if any part of the footprint of such excluded activity extends outside the boundary of the Zone 1 or Zone 5 for which the exclusion applies; or
- (b) such excluded activity is directly related to prospecting, exploration, including primary processing, of a mineral or petroleum resource.

CHAPTER 2

PROCEDURAL REQUIREMENTS

Notification and registration

4. (1) A proponent must submit to the competent authority the Registration Form which is a request for registration, notification of intent to comply with these GPEMF Standards and declarations as set out in Appendix 4.
- (2) The competent authority must, within 30 days, issue a registration number to the proponent, or, if not satisfied with the information provided, reject the request for registration and notification of intent to comply with the GPEMF Standards.
- (3) The competent authority must, where applicable, draw the attention of the proponent to the fact that an appeal may be lodged against the decision in terms of section 43 of the Act and the National Appeals Regulations, if such appeal is available in the circumstances of the decision.
- (4) The proponent may commence with any excluded activity or activities within 10 years of receipt of the registration number contemplated in subsection (2), and must notify the competent authority, in writing, 14 days prior to such commencement and such notification must include a date on which it is anticipated that any activity will commence.
- (5) Registration lapses if commencement does not occur within 5 years of receipt of the registration number and the process contemplated in subsections (1), (2), (3) and (4) will apply afresh in such instances.
- (6) The competent authority must keep an inventory of all registered developments including as a minimum the —
- (a) name of the proponent;
 - (b) project name and description;
 - (c) registration number;
 - (d) erf number, where development or expansion occurs; and
 - (e) date on which the registration number was issued.
- (7) Proof of registration must be made available—
- (a) on site at all times;

- (b) on request;
- (c) where the proponent or owner has a website, on such publicly accessible website; and
- (d) where the proponent or owner is a member of a formally established industry organisation, to such organisation.

(8) Where change of ownership of a registered development in terms of subsection (2) occurs, the new owner must submit the relevant declaration and details contemplated in Appendix 5 within thirty (30) days upon finalisation of such change.

CHAPTER 3

ENVIRONMENTAL MANAGEMENT SPECIFICATIONS

Environmental Management Specifications

5. The proponent must ensure compliance with the environmental management specifications (Appendix 2) for an excluded activity/ies.

CHAPTER 4

COMPLIANCE

Authority inspections

6. The proponent must provide the competent authority and any authorised official with access to the facility, for the purposes of compliance monitoring of the excluded activity, without prior notification.

Offences and penalties

7. (1) A person is guilty of an offence if that person contravenes or fails to comply with Chapter 2 (1); Chapter 2(8) and Chapter 3(1) of the GPEMF Standards, and is liable for the penalty contemplated in section 49B(1) of the Act.

(2) Compliance with these GPEMF Standards does not negate the need for the proponent to comply with all other applicable legislation.

CHAPTER 5

TRANSITIONAL ARRANGEMENTS

Transitional Arrangements

8. (1) All listed activities that are identified for exclusion from a requirement to obtain an environmental authorisation will be processed under the GPEMF Standards process from the date of gazetting for implementation.

(2) Where an application for environmental authorisation has been lodged by a proponent with the competent authority at the time of the adoption of the schedule, for an activity excluded within this schedule and within the relevant environmental management zone, the proponent will either-

(a) withdraw the application with the competent authority and apply for registration of the excluded activity, or

(b) continue with the process for the application for environmental authorisation through the EIA process, as stipulated in the Environmental Impact Assessment Regulations (2014).

(3) Where the holder of an environmental authorisation for activities contemplated in Appendix 1 of these GPEMF Standards, for which environmental authorisation was issued in terms of the Environment Conservation Act, 1989 (Act No. 73 of 1989) or the Act prior to the coming into effect of these GPEMF Standards and which is still valid at the time of the coming into effect of these GPEMF Standards—

(a) can comply with the provisions of these GPEMF Standards insofar as it relates to excluded activities contemplated in Appendix 1 authorised in such environmental authorisation, such holder must submit the relevant declaration and details contemplated in Appendix 6 within 30 days of the coming into effect of these GPEMF Standards;

(b) cannot comply with the provisions of these GPEMF Standards insofar as it relates to excluded activities contemplated in Appendix 1 authorised in such environmental authorisation, that environmental authorisation will remain valid as indicated in the content of such environmental authorisation and these GPEMF Standards will apply to

activities contemplated in Appendix 1 not covered by such environmental authorisation and which commences after the coming into effect of these GPEMF Standards.

(4) The competent authority must, within 30 days of receipt of the information contemplated in subsection (3)(a), acknowledge receipt thereof and issue a registration number to the proponent.

(5) On issuance of a registration number contemplated in subsection (4), the environmental authorisation will be deemed to be superseded by these GPEMF Standards insofar as the environmental authorisation relates to the development and related operation and expansion and related operation of facilities or infrastructure for activities as contemplated in Appendix 1.

(6) An application for environmental authorisation submitted in terms of the Environmental Impact Assessment Regulations for excluded activities contemplated in Appendix 1 of these GPEMF Standards and which application is pending when these GPEMF Standards takes effect, may be dispensed in terms of such Regulations wherein an environmental authorisations is issued, where-after subsection (3) will apply, provided that the reference to 30 days in subsection (3)(a) is read as within 30 days of the date of the environmental authorisation.

(7) If a holder of an environmental authorisation contemplated in subsection (3)(a) or subsection (6) does not submit the relevant declaration and details contemplated in Appendix 4 within the prescribed timeframe, subsection (3)(b) will be deemed to apply.

APPENDIX 1: EXCLUDED ACTIVITIES**Environmental Impact Assessment Regulations, 2014 Listing Notice 1**

(1) The activities listed are the identified activities for Listing Notice 1 that are excluded from the requirement to obtain an environmental authorisation, within Zone 1:

- a) Activity 6;
- b) Activity 9;
- c) Activity 10 (will only be permissible for developments relating to the bulk transportation of sewage in Zone 1);
- d) Activity 11;
- e) Activity 13;
- f) Activity 27;
- g) Activity 28 (i);
- h) Activity 44;
- i) Activity 45;
- j) Activity 46 (will only be permissible for development expansions relating to the bulk transportation of sewage in Zone 1);
- k) Activity 47;
- l) Activity 50;
- m) Activity 56;
- n) Activity 57 (will only be permissible for development expansions relating to the treatment of sewage in Zone 1);
- o) Activity 63;
- p) Activity 64; and
- q) Activity 66.

(2) The activities listed are the identified activities for Listing Notice 1 that are excluded from the requirement to obtain an environmental authorisation, within Zone 5:

- a) Activity 6;
- b) Activity 9;
- c) Activity 10;
- d) Activity 11;
- e) Activity 13;
- f) Activity 14;

- g) Activity 25;
- h) Activity 36;
- i) Activity 38;
- j) Activity 39;
- k) Activity 40;
- l) Activity 41;
- m) Activity 43;
- n) Activity 44;
- o) Activity 45;
- p) Activity 46;
- q) Activity 47;
- r) Activity 50;
- s) Activity 51;
- t) Activity 56;
- u) Activity 57;
- v) Activity 63;
- w) Activity 64; and
- x) Activity 66.

Environmental Impact Assessment Regulations, 2014 Listing Notice 2

(1) The activities listed are the identified activities for Listing Notice 2 that are excluded from the requirement to obtain an environmental authorisation, within Zone 1:

- a) Activity 9; and
- b) Activity 11.

(2) The activities listed are the identified activities for Listing Notice 2 that are excluded from the requirement to obtain an environmental authorisation, within Zone 5:

- a) Activity 4;
- b) Activity 7;
- c) Activity 9; and
- d) Activity 11.

APPENDIX 2

GPEMF EXCLUDED ACTIVITIES IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (NEMA), ACT 107 OF 1998

GENERALLY APPLICABLE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS (should be applied in conjunction with the Activity Specific Standards)**Generally Applicable Minimum Standards (Construction phase)**

- 1) All working areas must be supplied with proper sanitation facilities (at least one for every twenty workers).
- 2) No open fires are allowed on site for any purposes.
- 3) During construction and operational phase, the holder of the Registration letter must ensure that there is firefighting equipment on site that is properly working and maintained with trained operators in the event of accidental fires. Fire-fighting equipment must be tested regularly for operation and workers must be trained in the use of such equipment.
- 4) Evidence of environmental awareness training for all employees must be kept on site. Employees must be fully inducted on environmental management measures applicable on site.
- 5) Site management must be done in a manner that prevents pollution.

Minimum Air Quality Standards (Construction phase)

- 1) Development activities must avoid the generation of pollutants such as particulate emissions to ensure that the negative effects of such pollutants on human health are prevented or reduced as set out in SANS 1929:2011 Ambient air quality – Limits for common pollutants and National Dust Control Regulations (as amended).
- 2) Best practice measures intended at minimising or avoiding dust/offensive odours must be implemented during construction phase.

Minimum Noise Standards (Construction phase)

- 1) The construction activities must manage and mitigate the generation of noise, relating to –
 - (a) construction vehicles and equipment used on site;
 - (b) night-time (from 5pm to 7am) construction must be avoided; and
 - (c) blasting that may be taking place must be controlled and communicated.

Minimum Storm Water Management Standards (Construction phase)

- 1) The development must include measures to manage and avoid the pollution of storm water.
- 2) Installation of storm water systems must be done during construction activities.

- 3) Management of storm water runoff, (in accordance with the South African guidelines for sustainable drainage systems), must take place as close to the source as possible, according to the hierarchy listed below-
- 3.1) At source storm water management through inclusion of the following or similar into the development where practically possible:
 - a. green roofs;
 - b. rainwater harvesting;
 - c. permeable pavements and parking areas; and
 - d. soakaways.
 - 3.2) Local control for storm water runoff management, typically within the road reserves through inclusion of the following or similar into the development where practically possible:
 - a. bio-retention areas;
 - b. filter strips;
 - c. infiltration trenches;
 - d. sand filters; and
 - e. swales.
 - 3.3) Regional controls to manage combined storm water runoff from several developments through inclusion of the following or similar into the development where practically possible:
 - a. constructed wetlands;
 - b. detention ponds; and
 - c. retention ponds.
4. The management of storm water must ensure that additional runoff water is stored and released at a rate that will not impact negatively on the natural flow capacity of rivers, wetlands and streams, where practically possible.
5. Networks for blue (rivers, wetlands, dams etc.) and green (parks, gardens etc.) open spaces and corridors must serve as an element in drainage infrastructure.
6. Measures must be taken in design and construction of developments to account for flood conveyance during storm occurrences.
7. Measures must be taken in design and construction of urban waterways to mitigate the impact on aquatic systems within and downstream of the area surrounding the development.
8. Design principles must keep water in the landscapes and promote lush and well-irrigated vegetation.
9. Storm water retention facilities must incorporate an additional 15% to 20% capacity to cater for potential higher runoff events that are likely to occur as a result of climate change.
10. Design structures and infrastructure to accommodate 1:100 year flood events.
11. Where standards are dependent on the water use authorisation and its associated conditions, these must be adhered to.

Minimum Visual Standards (Construction phase)

- 1) The development activities must include measures to avoid, manage and mitigate visual impacts, including but not limited to –
 - (a) Configuration of construction sites to reduce visual intrusions –
 - i. Siting of waste storage facilities;
 - ii. Change rooms and ablution facilities;
 - (b) Siting of developments in relation to sensitive features.
 - (c) Appropriate screening measures during construction to reduce visual impacts.
 - (d) Limited use of highly reflective materials and paints.
 - (e) Reduce lighting up biodiversity features i.e. wetlands, ridges etc.
- 2) To blend in with the surrounding landscapes, neutral colour pallets for structures must be used.

Minimum Hazardous Substances Standards (Construction phase)

- 1) The relevant Material Safety Data Sheets must be available on site.
- 2) The storage, use and disposal of hazardous substances, including containers, must be in accordance with the relevant Material Safety Data Sheets.
- 3) Hazardous substances must be stored in a manner that doesn't affect watercourse.
- 4) Storage areas containing hazardous substances / materials must be clearly signposted.
- 5) Contamination of water, soil and air from seepage or spillage into ground water must be avoided at all times.
- 6) Health impacts on nearby inhabitants and/or ecosystems and organisms must be avoided, managed and mitigated.
- 7) Preventative measures must be implemented to avoid the occurrence of fires, spillages and/or explosions of hazardous materials from the site.

Minimum Waste Standards (Construction)

- 1) The waste must be separated on site to support "Reduce, Re-use, Recover and only Dispose safely" as the last option.
- 2) Waste must be contained in the storage containers and free from odour that could cause nuisance as set out in the National Norms and Standards for the Storage of Waste, 2013 or as amended.
- 3) No burning of waste on site and all waste must be disposed of at a licensed waste disposal facility or in line with the conditions of a valid waste licence.
- 4) Refuse bins must be placed at strategic positions to prevent littering and visual impact.
- 5) All recyclable waste generated on site must be separated into the main line recyclables i.e. paper, plastics, glass, tins and tyres (PPGTT) and building rubble.
- 6) Non-recyclable waste must be disposed of on a licensed waste disposal facility.
- 7) Skip waste containers must be maintained on site and collected regularly from the site.
- 8) Waste stock piles stored in open areas must be covered with an impermeable cover.
- 9) Weatherproof, durable and legible signs in at least 3 (three) official languages applicable in the area must be displayed at each entrance to the facility.

10) No waste must be buried on site.

11) Waste transporters must be registered on Gauteng Waste Information Systems (GWIS).

Minimum Water Quality Standards (Construction phase)

1) Where water quality is above discharge prescribed limits in the current relevant wastewater discharge standards, suitable and adequate treatment measures must be taken prior to discharge during the operational stage.

2) During construction, mixing of concrete must be done in such a manner that surface and / or ground water will under no circumstances be contaminated.

3) Contaminated runoff from the development must not affect water resources.

4) Vehicles and equipment must be serviced in the manner that does not impact the sensitive features.

5) Contaminated material must be handled and disposed of in a manner that does not contaminate soil, surface and ground water resources.

6) The sewage management system must be designed and operated in a manner that does not affect the health, and safety of people as well as the environmental resources.

Minimum Water Resource Standards (Construction phase)

1) The proponent must position the activity in a manner that prevents pollution of watercourses.

2) A 32 metre buffer zone is required from the edge of the riparian zone for rivers or streams.

3) A 30 metre buffer zone is required from the outer edge of the wetland temporary zone.

4) For storm water discharge, a buffer of 100 – 250 metres wide must be maintained between the storm water outflow and the outer boundary of the wetland

(a) The buffer must have mechanisms for dissipating water energy and spreading and slowing water flow and preventing erosion.

5) Where a linear development will run alongside a wetland and intercept natural hill slope runoff into the wetland -

(a) The development must be set back from the boundary of the wetland by at least 50 metres; and

(b) Feed-off points, if applicable, must be included at frequent intervals along the development (at least every 100 metres) and the outflows of these must conform to the requirements of the storm water outflows.

6) No development may take place within the 1:100 year floodline.

7) Contaminated drainage must not drain into wetlands.

8) Any development taking place on dolomitic land must first seek approval from the Council for Geoscience to ensure that the necessary geotechnical investigation is undertaken before construction can commence.

9) Access roads must avoid drainage lines; if this is not possible then substrate continuity must be maintained between the drainage line surfaces.

10) Where standards are dependent on the water use authorisation and its associated conditions, these must be adhered to.

Minimum Biodiversity Standards (Construction phase)

- 1) Prior to construction, perimeter fences must be erected in such a manner to prevent access and negative impact to any sensitive areas.
- 2) During all phases of the development, the infestation of alien and invasive plant species must be controlled on site and indigenous species must be used for rehabilitation.
- 3) During construction, vegetation clearing must be minimised to the development footprint.
- 4) Disturbance or mortality of indigenous fauna must be minimised through avoiding roosting and nesting sites, migration pathways, flight paths and/or feeding grounds of threatened fauna in sensitive areas, as far as practically possible, by all components of the development.
- 5) No lethal forms of predator control may be used.
- 6) All caves are designated as sensitive and a development must not occur in the 500 metre buffer.
- 7) All activities must be undertaken in manner that does not impact on the breeding of Red List bird species that could potentially occur on site.
- 8) In order to minimize artificially generated surface storm-water runoff, total sealing of paved areas such as parking lots, driveways, pavements and walkways must be avoided. Permeable surfaces must be used where possible on site to prevent surface water runoff from creating artificial waterbodies.
- 9) Where threatened ecosystems are encountered and they are not designated as listed by GDARD within Zone 1 and 5, then the developer must ensure that the development landscaping facilitates the conservation of the remaining ecosystem on the development site.

Minimum Standards for Pollution Buffers (Construction phase)

- 1) Buffer zones for pollution sources from various industrial facilities, sewage treatment works, landfill sites, mine slimes and ash dumps must be adhered to, to ensure healthy and safe environments, and to reduce nuisance to developments, and to protect populations from potential risks.
- 2) The specific sizes for the preferred pollution buffer or minimum pollution buffer must be complied with:

Best case buffer of 1500m and worst case buffer of 750m must be maintained in Category 1 industries which include those associated with:

- Large volumes of air pollution;
- Producing effluent and / or solid waste;
- Excessive noise, including those with railway infrastructure incorporating shunting yards; and
- Power generation sources.

Best case buffer of 500m and worst case buffer of 250m must be maintained in Category 2 industries which include those associated with:

- General manufacturing with less significant emissions;
- Noisy operations;
- Noisy service industries; and

- Certain agricultural industries.

Best case buffer of 100m and worst case buffer of 50m must be maintained in Category 3 industries which include those associated with:

- Clean manufacturing processes with little effluent or other nuisance factors;
- High-technology research and development activities;
- Industries centred around warehousing and distribution operations with low noise levels; and
- Industries centred around packaging operations.

Best case buffer of 800m and worst case buffer of 500m must be maintained for Sewage treatment works

These facilities for the storage of raw sewage, treatment, processing and safe disposal or release into the natural environment have the potential for water, groundwater and air pollution.

Best case buffer of 400m and worst case buffer of 200m must be maintained for General Landfill sites (Communal, small, medium and large). Best case buffer of 2000m and worst case buffer of 1000m must be maintained for Hazardous Landfill sites

Best case buffer of 100m and worst case buffer of 0m must be maintained for Mine dumps (rock dumps or stockpiles)

Best case buffer of 1000m and worst case buffer of 500m must be maintained for Mine slimes dams and ash dumps

Best case buffer of 5000m and worst case buffer of 2000m must be maintained for The Pelindaba nuclear facility complex

Minimum Ridge Standards (Construction)

1) The following ridges buffer sizes must be adhered to for all the Excluded Activities within Environmental Management Zone 1 and Zone 5.

All developmental activities must comply with the criteria set aside in the 4 classes of the Development Guideline for Ridges (2001), or as amended.

- (a) class 1 (1 – 0.5 % transformed);
- (b) class 2 (5 – 35 % transformed);
- (c) class 3 (35 – 65 % transformed);

(d) class 3 (A) Low impact development areas; and (e) class 3 (B) High impact development areas (f) class 4 (65 - 100 % transformed) 2) If the ridge exists in class 1, 2, 3 the proponent must ensure compliance with the following specifications- (a) No further development or subdivision of the delineated ridge will be allowed in zone 1 and zone 5. (b) If the proponent wants to deviate from the strict no-go policy, an EIA process must be undertaken. (c) Only low impact activities with an ecological footprint of 5% or less will be permitted in the 200 metres buffer zone for class 1, 2, 3 and 4 ridges. (d) d) If the ridge exists in class 4 and in the event that the following exemptions don't apply- (i) a Red Data species is recorded for the ridge; (ii) the open space is 4 hectares or larger; and (iii) surrounding community/landowners object. 2) Development activities that are not in contravention with the Ridges Guideline must continue while taking the following into consideration: (a) No shining lights must be pointed towards the ridges to ensure minimal disturbance on the biodiversity; (b) No emission of effluents or waste dumping should be permitted on the ridges. Minimum Standards for Soil Conservation (Construction) 1) Topsoil from construction activities must be stockpiled in a suitable manner to prevent loss. 2) Compaction of the topsoil must not inhibit vegetation growth. 3) Contamination of topsoil stockpiles must be prevented to ensure vegetation growth at a later growth. 4) Topsoil must be kept separate from overburden and must not be used for infilling. 5) Overburden (soil/rocks) material must be disposed-of safely at a licensed facility. 6) Topsoil with its seedbank must be used in landscaping. 7) Shaping of remaining profile must blend in with the gradients of the surrounding landscape. 8) Soil erosion control measures must be implemented on site during all phases of the development. 9) Topsoil stockpile must not cause visual impact in the area. Minimum Heritage Standards (Construction) 1) All workers on site must notify the Engineer should the archaeological or historical objects of value be found on site.	
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- 2) Development activities that expose the palaeontological (fossils) landscape, archaeological remains, historical built urban structures (older than 60 years) and burial grounds and graves must be cordoned off, and consultation to seek relevant permission immediately carried out with the relevant Heritage Resources Agency.
- 3) Should an object of archaeological importance be identified, work in that area should be stopped and the incident should immediately be reported to a museum preferably with an archaeologist for further investigation. Any finds must be reported to the nearest National Monuments office to comply with the National Heritage Resources Act (Act No 25 of 1999).
- 4) Local museums as well as the South African Heritage Resource Agency (SAHRA) must be informed if any artefacts are uncovered in the affected area.
- 5) Any destruction of a site with archaeological or historical objects can only be allowed once a permit is obtained and the site has been mapped and noted.

ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014	ZONE 1 & / or ZONE 5
Activity 6	ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS ALL GENERALLY APPLICABLE ENVIRONMENTAL MANAGEMENT SPECIFICATIONS APPLIES plus the Activity Specific Standards below Generally Applicable Management Standards (Construction and Operational phase) 1) Measures to prevent interbreeding between the indigenous and exotic species within the controlled farming environment must be implemented. 2) Measures must be put in place to mitigate the transmission and control of disease, and control of predatory species posing a threat to indigenous species. 3) When the process failure occur leading to death of animals, disposal of carcasses must be done at a permitted landfill site to contain environmental and social impacts. Minimum Waste Standards (Construction and Operational phase) 1) Waste (solids and dissolved nutrients) must be disposed of safely to prevent the development of algal blooms in natural environment.	1 & 5
Activity 9	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below Minimum Noise Standards (Construction phase) 1) Water pumps must be housed in a fully enclosed brick structure or other suitable building to reduce the impact of noise generated from the pumps. Minimum Waste Standards (Construction phase) 1) Storm water transportation facilities must be developed in manner to avoid blockages and be kept free of litter to prevent flooding in residential areas. Minimum Hazardous Substances Standards (Construction phase) 1) Water pumps must be stored in a bunded area to contain fuel to avoid leaks or spillages.	1 & 5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
Activity 10	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Noise Standards (Construction and Operational phase) 1) Water pumps must be housed in a fully enclosed brick structure or other suitable building to reduce the impact of noise generated from the pumps. Minimum Waste Standards (operational phase) 1) Storm water transportation facilities must be kept free of litter to prevent flooding in residential areas. Minimum Hazardous Substances Standards (Construction and Operational phase) 1) Water pumps must be stored in a bunded area to contain fuel (diesel or oil) should there be leaks or spillages. Minimum Water Quality Standards (Construction and Operational phase) 1) Planned and scheduled monitoring of water transportation facilities for leakages must be undertaken during the operation to mitigate the associated risks.	1 & 5
Activity 11	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Visual Standards (Construction phase) 1) Siting of new transmission lines should conform to the required buffer zone from the nearest residential areas to prevent impact on people and equipment. 2) An existing utility corridor should be utilised (shared) to mitigate environmental and social impacts of a new transmission line.	1 & 5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014	ZONE 1 & / or ZONE 5
	ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS Minimum Biodiversity Standards (Construction phase) 1) Anti-collision devices such as bird flappers must be installed where powerlines cross corridors that are associated with flight pathways.	
Activity 13	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below Minimum Water Quality Standards (Construction phase) 1) Construction of water storage facilities must not lead to disruption of ecological functioning of the river downstream such as reduction of water flow, destruction of habitat and breeding grounds for aquatic species. Minimum Biodiversity Standards (Construction phase) 1) Location of construction sites should facilitate habitat connectivity.	1 & 5
Activity 14	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below Generally Applicable Minimum Standards (Construction and Operational phase) 1) The area where dangerous goods are stored above ground must be bunded to contain the quantities of goods stored on site during an incident. Minimum Air Quality Standards (Construction and Operational phase) 1) Facility management must ensure that measures are put in place to protect the environment and the people from exposure to harmful gases. Minimum Hazardous Substances Standards (Construction and Operational phase) 1) Contaminated effluent or storm water run-off must be contained and disposed of safely.	5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
Activity 25	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Visual Standards (Construction and operational phase) 1) Management must prevent the prevalence of conditions that are offensive to sight and smell as well as the spread of diseases. Minimum Waste Standards (Construction and Operational phase) 1) Sewage sludge from Waste Water Treatment Plant must be managed to avoid spread of diseases, odours, surface and ground water pollution. Minimum Water Quality Standards (Construction and Operational phase) 1) Pathogens and inherent risks in wastewater treatment plants must be managed to meet the effluent discharge standards set by the local municipality.	5
Activity 27	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Air Quality Standards (Construction) 1) Development activities must avoid the generation of pollutants such as particulate emissions to ensure that the negative effects of such pollutants on human health are prevented or reduced as set out in SANS 1929:2011 Ambient air quality – Limits for common pollutants and National Dust Control Regulations (as amended).	1
Activity 28	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i>	1

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
	Minimum Air Quality Standards (Construction) 1) Development activities must avoid the generation of pollutants such as particulate emissions that have negative effects on human health are prevented or reduced as set out in SANS 1929:2011 Ambient air quality – Limits for common pollutants and National Dust Control Regulations (as amended).	
Activity 36	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Visual Standards (Construction) 1) The location of photovoltaic solar plant must not contradict provincial land use priorities such as provision of agricultural land and services, housing etc. Minimum Biodiversity Standards (Construction) 1) The location of photovoltaic solar plants must not contribute to habitat loss, biodiversity and damage/deterioration to the natural ecosystem and functioning in the province.	5
Activity 38	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Generally Applicable Minimum Standards (Operational phase) 1) The management of abattoirs or slaughterhouse activities must be in accordance with the GDARD's <i>Guideline Manual for The Management of Abattoirs and other waste of animal origin of 2009.</i> Minimum Water Resources Standard (Construction and Operation) 1) Water efficient approaches and technologies must be adopted to reduce water demand in the operational processes of abattoirs or slaughterhouses. Minimum Waste Standards (Construction and Operational phase)	5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
	1) The disposal of waste products from animal pens, offal processing, carcass processing, bleeding and by-products processing from slaughter houses must not affect the water quality and the ecological functioning in the nearby waterbodies.	
Activity 39	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Air Quality Standards (Construction and Operational phase) 1) Management practices in farming environment must manage manure in a manner that reduces nuisance as a result of extensive odour. 2) Alternative measures of generating energy from methane should be explored to reduce dependence on fossil fuels and align to sustainable farming practises. 3) Grazing patterns must be managed to reduce soil erosion and generation of dust from animal trampling. Minimum Water Resource Standards (Construction and Operational phase) 1) Animals must not have access to the waterbodies to prevent water contamination for downstream users. 2) Pollution of adjacent waterbodies as a result of run-off of animal waste, pesticides, chemicals, fertilizers must be prevented.	5
Activity 40	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Air Quality Standards Operational phase)	5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
	1) Manure must be stored in the manner that does not adversely affect the air quality of the area as a result of odour. 2) The operation of the poultry farm must not lead to the generation of flies, rodents and other pests that carry diseases and local nuisance. Minimum Water Resources Standards (Operational phase) 1) The use of pesticides on site must not lead to the contamination of surface and ground water. Minimum Water Resources Standards (Operational phase) 1) Wastewater discharge must not exceed the limit set by the local municipality for sewer discharges. 2) Wastewater must be managed in a manner that prevents acidification and eutrophication of the local stream/rivers.	
Activity 41	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Generally Applicable Minimum Standards (Operational phase) 1) Measures to prevent of interbreeding between the indigenous and exotic species within the controlled farming environment must be implemented. 2) Measures must be put in place to mitigate the transmission and control of disease, and control of predatory species posing a threat to indigenous species. 3) When the process failure occur leading to death of animals, disposal of carcasses must be done at a permitted landfill site to contain environmental and social impacts. Minimum Waste Standards (Operational phase) 1) Waste (solids and dissolved nutrients) must be disposed of safely to prevent the development of algal blooms in natural environment.	5
Activity 43	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i>	5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
	Generally Applicable Minimum Standards (Operational phase) 1) Management activities must put biosecurity measures in place to reduce the risk of diseases exposure amongst animals, workers and local communities. 2) A clear plan for the safe disposal of carcasses must be in place to prevent illegal dumping of carcasses on the environment. 3) Alternative renewable sources of electricity must be explored to mitigate the greenhouse gas emission associated with the activity. Minimum Air Quality Standards Operational phase) 1) Management activities must control the odour from biological waste and effluent to mitigate social impacts. 2) Operational activities must explore the use of alternative renewable electricity to mitigate the greenhouse gas emission. Minimum Water Quality Standards (Operational phase) 1) Effluent discharge from the facility processes must be done in a manner that does not result in reduction of surface water quality on the adjacent streams. Minimum Waste Resource Standards (Operational phase) 1) Water efficient measures for processing products must be implemented to reduce consumption and mitigate risks on business continuity when water supply is limited. Minimum Waste Standards (Operational phase) 1) Green waste generated from the agri-industrial complexes must not be disposed of but utilised to make compost or any other processes downstream.	
Activity 44	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i>	1 & 5

	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014	ZONE 1 & / or ZONE 5
ACTIVITIES	ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	
	Minimum Visual Standards (Construction) 1) Cemeteries must have a perimeter wall to provide a buffer between the graveyard and adjacent communities. Minimum Water Quality Standards (Construction) 1) Geotechnical studies must be undertaken to avoid location of cemeteries on dolomitic ground.	
Activity 45	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below Generally Applicable Minimum Standards (Operational phase) 1) Access to the trenches/channels dug for the installation of transportation infrastructure must be limited to prevent animal and unsuspecting people from falling into the trenches. Minimum Noise Standards (Construction) 1) Water pumps must be housed in a fully enclosed brick structure or other suitable structure designed to reduce the impact of noise generated from the pumps. Minimum Waste Standards (Construction phase) 1) Storm water transportation facilities must be designed in manner to avoid clogging by litter to prevent flooding in residential areas. Minimum Hazardous Substances Standards (Construction phase) 1) Water pumps must be stored in a bunded area to contain fuel should there be leaks or spillages.	1 & 5
Activity 46	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below	1 & 5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
	Minimum Noise Standards (Construction and Operational phase) 1) Water pumps must be housed in a fully enclosed brick structure or other suitable building to reduce the impact of noise generated from the pumps. Minimum Waste Standards (Operational phase) 1) Storm water transportation facilities should be kept free of litter to prevent flooding in residential areas. Minimum Hazardous Substances Standards (Construction phase) 1) Water pumps must be stored in a bunded area to contain fuel should there be leaks or spillages. Minimum Water Quality Standards (Construction and Operational phase) 1) Monitoring of transportation facilities for leakages must be undertaken during the operation to prevent contamination.	Only be permissible for development expansions relating to the bulk transportation of sewage in Zone 1
Activity 47	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES plus the Activity Specific Standards below Minimum Visual Standards (Construction phase) 1) Siting of new transmission lines should conform to the required buffer zone from the nearest residential areas to prevent impact on people and equipment. 2) An existing utility corridor should be utilised (shared) to mitigate environmental and social impacts of a new transmission line. Minimum Biodiversity Standards (Construction phase) 1) Anti-collision devices such as bird flappers must be installed where powerlines cross corridors that are associated with flight pathways.	1 & 5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
Activity 50	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Water Quality Standards (Construction phase) 1) Expansion of water storage facilities must not lead to disruption of ecological functioning of the river downstream. Minimum Biodiversity Standards (Construction phase) 1) The expansion of the dam should facilitate habitat connectivity and movement of aquatic species.	1 & 5
Activity 51	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Generally Applicable Minimum Standards (Operational phase) 1) The area where dangerous goods are stored above ground must be banded to contain the quantities of goods stored on site during an incident. Minimum Air Quality Standards (Construction and Operational phase) 1) Facility management to ensure that measures are put in place to protect the environment and people from exposure to harmful gases. Minimum Hazardous Substances Standards (Construction phase and Operational phase) 1) Contaminated effluent or storm water run-off must be contained and disposed of safely. 2) Occupational Health and Safety system must be implemented to mitigate the occurrence of incidents such as explosions and underground leakages. Minimum Waste Standards (Construction and Operational phase) 1) Effluents should be managed in a manner that does not contaminate storm water and surface water.	5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
Activity 56	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Storm Water Management Standards (Construction phase) 1) The design of storm water culverts should enable flow of water to avoid flooding of the road. 2) The storm water channels and culverts should be designed in a manner to avoid clogging by litter that may block the flow of water. Minimum Biodiversity Standards (Construction phase) 1) The design of the road must minimise habitat loss and fragmentation which may affect sustainability of local biodiversity and ecosystems. Minimum Standards for Soil Conservation (Construction phase) 1) The design of storm water channels must minimise soil erosion as a result of increased velocity from hardened road surfaces.	1 & 5
Activity 57	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Air Quality Standards (Operational phase) 1) Best practice measures intended at minimising or avoiding offensive odours must be implemented at all times. Minimum Visual Standards (Operational phase) 1) Management must prevent the prevalence of conditions that are offensive to sight and smell as well as the spread of diseases. Minimum Waste Standards (Operational phase) 1) Sewage sludge from Waste Water Treatment Plant must be managed to avoid spread of diseases, odours and surface and ground water pollution.	1 & 5 Only be permissible for development expansions relating to the treatment of sewage in Zone 1

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
	2) Waste generated from the treatment facility must be disposed at a licensed landfill site. Minimum Water Quality Standards (Operational phase) 1) Pathogens and inherent risks in wastewater treatment plants must be managed to meet the effluent discharge standards set by the local municipality.	
Activity 63	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Noise Standards (Construction and Operational phase) 1) Water pumps must be housed in a fully enclosed brick structure or other suitable building designed to reduce the impact of noise generated from the pumps. Minimum Waste Standards (Construction phase) 1) Storm water transportation facilities must be designed in manner to avoid clogging by kept free of litter to prevent flooding in residential areas Minimum Hazardous Substances Standards (Construction phase) 1) Water pumps must be stored in a bunded area to contain fuel should there be leaks or spillages.	1 & 5
Activity 64	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Minimum Air Quality Standards (Construction phase) 1) Best practice measures to minimise emission of exhaust gases and noise must be implemented. Minimum Storm Water Management Standards (Construction phase)	1 & 5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
	1) Fuel, chemicals and other pollutant spillages must be prevented from coming into contact with the soil and entering the waterbodies. 2) The design of storm water culverts should enable flow of water to avoid flooding of the road. 3) The storm water channels and culverts must be designed in a manner to avoid clogging by litter that may block the flow of water. Minimum Biodiversity Standards (Construction phase) 1) The design of the railway lines must minimise habitat loss and fragmentation which may affect sustainability of local biodiversity and ecosystems. Minimum Noise Standards (Construction phase) 1) The design of the railways lines must incorporate the installation of noise reduction equipment to minimise impact on the adjacent communities. Minimum Waste Standards (Construction phase) 1) Storage and disposal of used oil must be done legally in a manner that promotes environmental protection and integrity.	
Activity 66	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards below</i> Generally Applicable Minimum Standards (Construction phase) 1) The opening of spillway must be designed taking into consideration the impact of flooding downstream users, destruction of habitat, nesting and breeding grounds. Minimum Water Quality Standards (Construction phase) 1) Expansion of water storage facilities must not lead to disruption of ecological functioning of the river downstream.	1 & 5

ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 1 OF 2014 ACTIVITY SPECIFIC ENVIRONMENTAL MANAGEMENT SPECIFICATIONS	ZONE 1 & / or ZONE 5
	Minimum Biodiversity Standards (Construction phase) 1) The expansion of the dam should facilitate habitat connectivity and movement of aquatic species.	

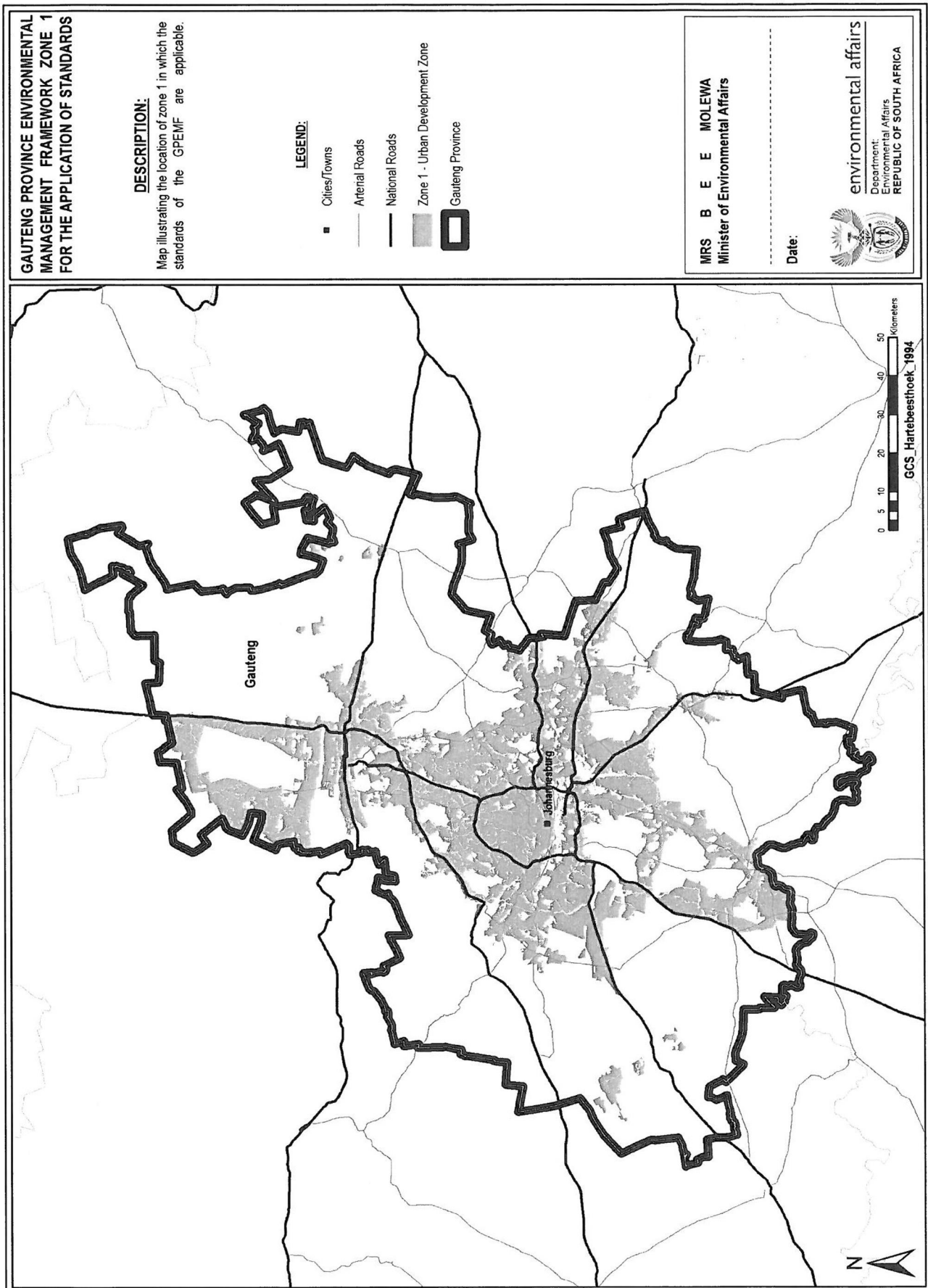
ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 2 OF 2014 SCOPE AND RELEVANCE OF STANDARDS	ZONE 1 & / or ZONE 5
Activity 4	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards</i> below Generally Applicable Minimum Standards (Construction phase) 1) The area where dangerous goods are stored above ground must be banded to contain the quantities of goods stored on site during an incident. Minimum Air Quality Standards (Construction phase) 1) Facility management must ensure that measures are put in place to protect the environment and the people from exposure to harmful gases. Minimum Hazardous Substances Standards (Operational phase) 1) Contaminated effluent or storm water run-off must be disposed of safely. Minimum Water Quality Standards (Operational phase) 1) Storm water from the facility must be discharged through the municipal sewer system.	5

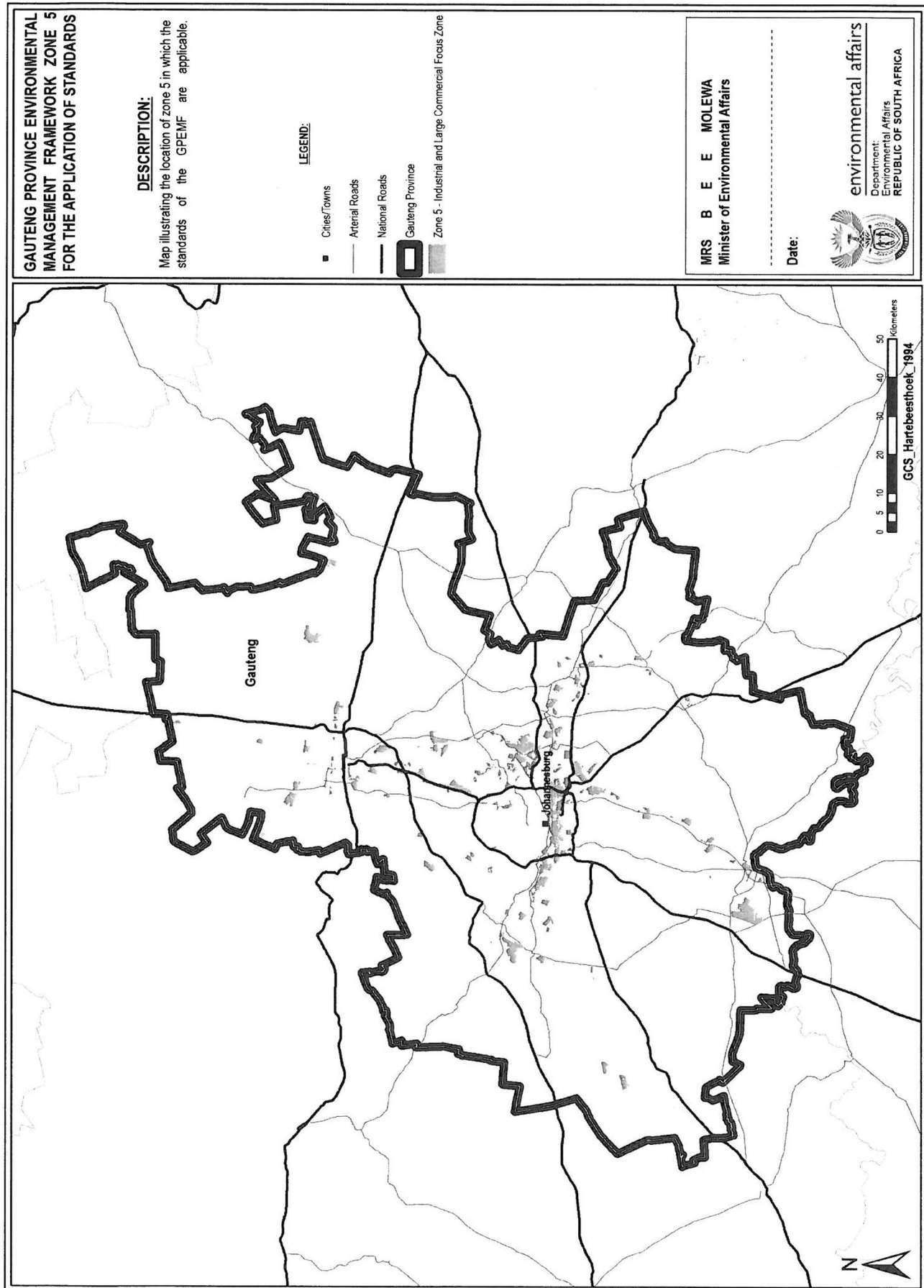
ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 2 OF 2014 SCOPE AND RELEVANCE OF STANDARDS	ZONE 1 & / or ZONE 5
	Minimum Standards for Soil Conservation (Operational) 1) Contaminated soil must be disposed of at a licensed hazardous material facility to prevent contaminating the soil and ground water.	
Activity 7	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards</i> below Generally Applicable Minimum Standards (Operational phase) 1) The hazardous properties of products or chemicals must be clearly stated so that people at all stages of the transport chain are aware of them. This information must always follow the goods so that people can recognize the risks and avoid accidental mishandling and use the suitable personal protection at their disposal in case of leakage. Minimum Air Quality Standards (Operational phase) 1) Facility management must ensure that measures are put in place to protect the environment and the people from exposure to harmful gases. Minimum Hazardous Substances Standards (Operational phase) 1) Contaminated effluent or storm water run-off must be contained and disposed of safely. Minimum Waste Standards (Construction and Operational phase) 1) Effluents should be managed in a manner that does not contaminate storm water and adjacent rivers. Minimum Standards for Soil Conservation (Operational phase) 1) Contaminated soil must be disposed of at a licensed hazardous material facility to prevent contaminating the soil and ground water.	5

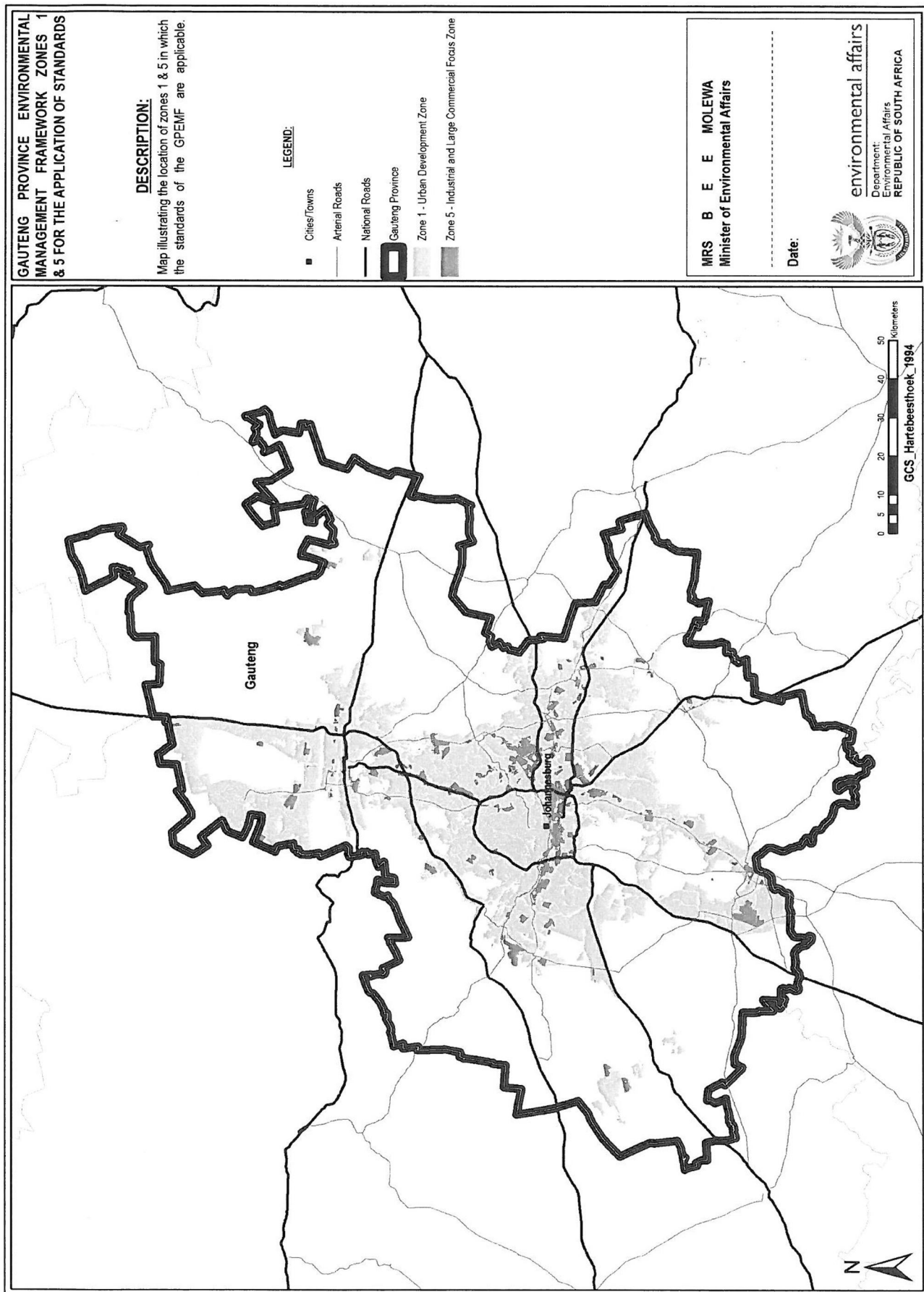
ACTIVITIES	ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS LISTING NOTICE 2 OF 2014	ZONE 1 & / or ZONE 5
Activity 9	SCOPE AND RELEVANCE OF STANDARDS ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards</i> below Minimum Visual Standards (Construction phase) 1) Siting of new transmission lines should conform to the required buffer zone from the nearest residential areas to prevent impact on people and equipment. 2) An existing utility corridor should be utilised (shared) to mitigate environmental and social impacts of a new transmission line. Minimum Biodiversity Standards (Operational phase) 1) Anti-collision devices such as bird flappers must be installed where powerlines cross corridors that are associated with flight pathways.	1 & 5
Activity 11	ALL GENERALLY APPLICABLE MINIMUM STANDARDS APPLIES <i>plus the Activity Specific Standards</i> below Minimum Noise Standards (Construction phase) 1) Water pumps must be housed in a fully enclosed brick structure or other suitable building designed to reduce the impact of noise generated from the pumps. Minimum Waste Standards (Operational phase) Storm water transportation facilities must be designed in manner to avoid clogging by kept free of litter to prevent flooding in residential areas Minimum Hazardous Substances Standards (Operational phase) 1) Water pumps must be stored in a bunded area to contain fuel leaks or spillages.	1 & 5

APPENDIX 3

GPEMF ZONES







APPENDIX 4

REGISTRATION FORM A REQUEST TO BE REGISTERED AND INTENT TO COMPLY WITH THE GPEMF STANDARDS	
FOR OFFICE USE ONLY	
Date Registration Form Received:	
Outcome of Evaluation of the Registration Form	☐ Accepted ☐ Rejected If rejected, provide reasons:
Registration Number:	

Kindly note that:

1. All fields must be completed in full; submission of incomplete info will lead to the registration automatically rejected.
2. Declaration of whether the registration is a first or a re-submission.
3. This form must be used in all instances for request for registrations that must be subjected to an excluded activity related to the GPEMF Standards in terms of the NEMA, act 107 of 1998 as amended.
4. This form is current as of the date of promulgation of the GPEMF standards in the Government Gazette. It is the responsibility of the Proponent to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
5. The required information must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. It is in the form of a table that will expand itself as each space is filled with typing.
6. Incomplete documentation will be rejected
7. The use of "not applicable" in the form must be done with circumspection. Where it is used in respect of material information that is required by the competent authority for assessing the registration, this will result in the rejection of the registration as provided for in the regulations.
8. Unless protected by law all information contained in, and attached to this registration, will become public information on receipt by the GDARD. Upon request, any interested and affected party should be provided with the information contained in and attached to this registration.
9. Original hard copies (2) of this form must be submitted to the Department at the Registry Office. All information submitted on the hard copy must be duplicated on the soft copy as PDF in the CD. An electronic copy on a CD accompanied with a shapefile (WGS84) must also be submitted with the hard copies. Should the registration form not be submitted to the addresses given below it will be rejected.
10. No faxed or e-mailed registration form will be accepted. Only hand delivered or posted registration will be accepted.

INCORRECTLY COMPLETED AND INCOMPLETE REGISTRATION FORMS WILL NOT BE CONSIDERED

SECTION A: DETAILS OF THE PROPONENT OF THE DEVELOPMENT	
All notifications pertaining to the request for registration project will be sent using the information provided in this section of the form.	
Company (include Trading Name)	
First Name	
Surname	
Email	
Telephone	
Cell phone	
Fax Number	
Postal Address	

Registration Status	First submission	YES / NO
	Resubmission	YES / NO
	If Resubmission, then provide the previous Reference number	

SECTION B: SITE INFORMATION

Site Name	
Site Telephone Number (if any)	
Owner Name	
Owner VAT Registration Number (if applicable)	
Public or Commercial	
Please provide the Geographic Co-ordinates of all external corner points of the site.	
Degrees Latitude Degrees Longitude	
Physical Address/Property Description¹	
Size of the Property	

SECTION C: MUNICIPALITY INFORMATION

Municipality/ies	
Contact Person (from Environment Management or Town Planning)	
Email	
Telephone	
Fax	
Postal address	
Physical Address	

¹ (Farm name, portion etc.) Where a large number of properties (including alternatives) are involved (e.g. linear activities), please attach a list of the property descriptions to this registration form.

SECTION D: PROJECT DESCRIPTION	
Project Title	
Project Description	
GPEMF Zones in which the proposed development is situated	

SECTION E: EXCLUDED ACTIVITIES			
Only excluded listed activities will apply here. All 'excluded' listed activities for Listing Notice 1 (Government Notice R983) and Listing Notice 2 (Government Notice R984) associated with the development project must be indicated below:			
Zone 1 and/or Zone 5	Government Notice R983 Activity No(s):	Describe the relevant Activity(ies) in writing as per Listing Notice 1 (GN No. R983)	Describe the portion of the development as per the project description that relates to the applicable listed activity
Zone 1 and/or Zone 5	Government Notice R984 Activity No(s):	Describe the relevant Activity(ies) in writing as per Listing Notice 2 (GN No. R984)	Describe the portion of the development as per the project description that relates to the applicable listed activity

Please note: Only those activities for which the Proponent applies will be considered for registration. The onus is on the Proponent to ensure that all the excluded listed activities are included in the registration. Failure to do so may invalidate the request for registration.

SECTION F: DECLARATION BY THE PROPONENT OF THE DEVELOPMENT/FACILITY

I, _____, hereby declare that I have read the completed registration form and hereby confirm that the information provided is to the best of my knowledge true and correct.

I declare that I have not commenced with the project as described in Section D of this form and will not commence until a registration number has been received, as contemplated in the GPEMF standards.

Furthermore, I declare that I am fully aware of my responsibilities in terms of the GPEMF Standards in terms of the National Environmental Management Act, 1998 (NEMA), Act No. 107 of 1998 and failure to comply with these requirements may constitute an offence

Owner of the Facility (Name and Surname) _____

Designation _____

Signature _____ (duly authorised to sign on behalf of Owner of the Facility)

Date _____ **Place** _____

Commissioner of Oaths _____

Designation _____

Signature _____

Date _____ **Place** _____

Commissioner of Oaths Stamp

SECTION G: DECLARATION BY THE LAND OWNER²

NB:(Only if the landowner is different from the Owner of the Facility)

I, _____ declare that I -

² In the event of more than one landowner, each landowner must sign the declaration.

- Am, aware of the development activity (ies) to take place or taking place in my property
- Consented to this/ these activity (ies) taking / to take place in my property hereby indemnify, the government of the Republic, the competent authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action for which the Proponent is responsible in terms of the GPEMF Standards in terms of the National Environmental Management Act, 1998 (NEMA), Act No. 107 of 1998.

Owner of the Facility (Name and Surname) _____

Designation _____

Signature _____

Date _____ **Place** _____

Commissioner of Oaths _____

Designation _____

Signature _____

Date _____ **Place** _____

Commissioner of Oaths Stamp

APPENDIX 5

GPEMF Standards Registration Number	
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DECLARATION OF THE CHANGE OF OWNERSHIP

I, _____ (full names of proponent) an adult male/female with identification number _____, residing at _____ (physical address), declare under oath that, I -

1. am the new owner of the facility with details as indicated in table below; fully understand that I am responsible for the development in the location;
2. am responsible for ensuring compliance with the GPEMF Standards in terms of Section 24(2)(c) of NEMA Act 107 as amended and can be subjected to enforcement action on my failure to comply with the GPEMF Standards;
3. am aware of my responsibility to exercise an environmental duty of care in terms of section 28 of the Act to take reasonable measures to prevent environmental pollution or degradation from occurring, continuing or recurring, or, in so far as such harm to the environment is authorised by law or cannot reasonably be avoided or stopped, to minimise and rectify such pollution or degradation of the environment;
4. confirm that I have personally read all the generally applicable and activity specific Environmental Management Specifications for the GPEMF Standards, understand it and am familiar with the information submitted in this document and all attachments and that, based on my enquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete;
5. am aware of my responsibility to make available the proof of registration letter as contemplated in section 2 (2) the GPEMF Standards; and

6. am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Signature of Proponent: _____

Date: _____

Signature of Owner: _____

Name of Company: _____

Date: _____

Signature of the Commissioner of Oaths: _____

Date: _____

Designation: _____

Official stamp:

1. NEW OWNER DETAILS	
Name of individual / company	
Contact Person	
Passport/ Identity Document (ID) Number	
Company Registration Number	
Physical Address	
Postal address	
Email Address	
Phone No.	
Fax No.	

Environmental Authorisation Number	
---------------------------------------	--

APPENDIX 6

DECLARATION BY HOLDER OF ENVIRONMENTAL AUTHORISATION SUPERSEDED BY THIS STANDARD AND DETAILS

I, _____ (full names of proponent) an adult male/female with
identification number _____, residing at
_____ (physical address), declare under oath that I -

- a. am the holder of an environmental authorisation, with number as indicated above for the facility as indicated in the environmental authorisation attached hereto, with details as indicated in the table below;
- b. fully understand that I am responsible for ensuring compliance with the GPEMF Standard (hereafter referred to as "this Standard") gazetted under section 24(10) of the Act and can be subjected to enforcement action on my failure to comply with this Standard;
- c. am aware of my responsibility to exercise an environmental duty of care in terms of section 28 of the Act to take reasonable measures to prevent environmental pollution or degradation from occurring, continuing or recurring, or, in so far as such harm to the environment is authorised by law or cannot reasonably be avoided or stopped, to minimise and rectify such pollution or degradation of the environment;
- d. confirm that I have personally read all the generally applicable and activity specific Environmental Management Specifications for the GPEMF Standard, understand it and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete;
- e. am aware of my responsibility to make available the proof of registration and environmental audit report as contemplated in this Standard; and
- f. am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Signature of holder of environmental authorisation: _____

Name of Company: _____

Date: _____

Signature of the Commissioner of Oaths: _____

Date: _____

Designation:

Official stamp:

DETAILS OF HOLDER OF ENVIRONMENTAL AUTHORISATION	
Name of individual/ company	
Contact Person	
Passport/ Identity Document (ID) Number	
Company Registration Number	
Physical Address	
Postal address	
Email Address	
Phone No.	
Fax No.	

DEPARTMENT OF HOME AFFAIRS

NO. 352

13 APRIL 2017

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

Notice is hereby given of Government Gazette No. **40262** which, was published in Government Gazette Notice No. **996** dated **09 September 2016**, is hereby rectified to read as follows:

1. Blessing Maumela - 901223 6042 087 - 62 Mohlabane Street, , SAULSVILLE, 0125 - *Lavhelesani Blessing*

Notice is hereby given of Government Gazette No. **40660** which, was published in Government Gazette Notice No. **189** dated **03 March 2017** is hereby rectified to read as follows

2. Katlego Seboko Mashego - 950907 5763 087 - Stand No 447, , SHATALE, 1280 - *Katlego Innocent*
3. Milerika Meyer - 960828 0020 083 - 11 Ana Agricultural Holding, Silkaatsnek, , BRITS, 0250 - *Skyler Milérika*
4. Nosiymbulela Makhosonke - 970926 1047 085 - Mbinja Area, , TSOLO, 5170 - *Sinovuyo Wendy*
5. Francinah Bard - 560921 0122 084 - 18 Raasblaar, Triangle Raasblaar Avenue, , RUSTENBURG, 5299 - *Francina*
6. Helmuth Salmson Rautenbach - 580226 0277 086 - 48 Harrington Street, , CAPE TOWN, 8001 - *Helena Grier*
7. Dwethu Ennocent Baleni - 910614 5501 082 - 1500 Tshepisoong West, , ROODEPOORT, 1724 - *Xolani Innocent*
8. Nomvula Bonakele Ngwenya - 870926 0860 083 - 10 Anderson, 501 Ashanti, Cnr Anderson And Ferreira, JOHANNESBURG, 2001 - *Phiwa Siyamthanda Mvula Asabonga*

Notice is hereby given of Government Gazette No. **40621** which, was published in Government Gazette Notice No. **125** dated **17 February 2017**, is hereby rectified to read as follows:

1. Vusiwana Esmeralda Hlongwani - 850328 0624 086 - 9614 Southern Avenue, Extension 83, , THE ORCHARDS, 0182 - *Busisiwe Esmeralda*
2. Haneshree Dhanpal Chegvidden - 851008 0186 083 - 105 Erongo Avenue, Oakdene, , JOHANNESBURG SOUTH, 2190 - *Haneshree Nerissa*
3. Nkosiphendule Mkhonto - 941229 6074 089 - Nkuzimbini Area, , LUSIKISIKI, 4820 - *Loyiso Nkosiphendule*

Notice is hereby given of Government Gazette No. **40733** which, was published in Government Gazette Notice No **278** dated **31 March 2017**, is hereby rectified to read as follows:

1. Phindile Ndhlovu - 911218 0932 083 - 845 The William Apartments, , RANDBURG, 2191 - *Shontelle Laquai*
2. Ndaedzo Tshirado - 690907 5013 082 - 1198 Zone 5E, , SESHEGO, 0751 - *Ndaedzo Confass*
3. Aldenro Ernest Alfred Linnett - 890920 5026 085 - 60 St Robert Road, , SEAWIND, 7945 - *Ameer*
4. Monwabisi Whitey Fihla Fihla - 641210 5883 087 - Machubini Area, , LADY FRERE, 5410 - *Monwabisi Whitey*
5. Nophelo Kasibe - 751216 0978 083 - Extension 4, , NGQELENI, 5140 - *Gcobisa Mhiky*

6. Letho Maria Phetlhe - 910220 1179 087 - 642 Block D3, Greenside, , MAUBANE, 0412 - *Lethotse Ashley*
7. Simankele Zama Mzimela - 910709 0768 080 - P O Box 604, , EMPANGENI, 3880 - *Simangele Zama*
8. Matome David Letsoalo - 880607 5608 085 - Stand No 490, Unit E, , MANKWENG, 0727 - *Sambo David*
9. Josephine Pauline Menyatso - 900714 0467 081 - 3916 Extension 1, Meriting, , RUSTENBURG, 0300 - *Tlotso Divine*
10. Wellem Aphane - 830424 5112 089 - 3732 Dikubu Street, Extension 6, , DIEPSLOOT, 0628 - *Willem Ntipe*
11. Kashiefah September - 941210 0052 081 - 55 Brighton Crescent, , MALIBU, 7100 - *Kaylen*
12. Cornelia Magrita Petronella Scholtz - 880707 0020 086 - Eerstelaan 9713, , KATHU, 8446 - *Corné*

Notice is hereby given of Government Gazette No. **40734** which, was published in Government Gazette Notice No. **279** dated **07 April 2017**, is hereby rectified to read as follows:

1. Mampolai Eunice Mabeta Sefoli - 830706 0619 088 - 14 Dateren Street, Riebeekestad, , WELKOM, 9459 - *Mmabeta Eunice Mampulai*
2. Refiloe Lebepe - 961104 5080 087 - 1335 Winnie Mandela, Zone 10, , TEMBISA, 1632 - *Kabelo*
3. Rofhiwa Tshioma - 940323 6100 084 - Bhejukufa Trust, , KABOKWENI, 1245 - *Rofhiwa Quinton*
4. Nokuphumla Wolayi - 721006 0981 089 - 4347 Sipiwe Mthimkhulu, Samora Machel, , PHILIPPI, 7785 - *Portia Pumla*
5. Fagan Raubenheimer - 900511 5224 081 - 14perscus Road, , Woodlands, MITCHELLS PLAIN, 7785 - *Fahiem*
6. Goodness Ntombizandile Matimba - 791217 0809 080 - 14 Station Street, , KEIROAD, 4920 - *Zandile Goodness*
7. Mummu Novela - 920706 0708 080 - House No 10011, Mbatlo Village, , GIYANI, 0826 - *Mummy*
8. Neo Pracias Bantjana Madibo - 820801 0285 089 - 5354 Mphephu Street, Mohlakeng Location, , RANDFONTEIN, 1759 - *Precious Neo*
9. Godfrey Madla Mathe - 690204 5508 083 - 9654 Monapi Street, , BLOEMFONTEIN, 9300 - *Godfrey Mandla*
10. Luciano Colin Sello - 980910 5993 088 - 5261 Newtown Avenue, , POSTMASBURG, 8420 - *Luciano Colin Neo*
11. Mariam Mohanung Khoza - 811110 0652 087 - 15 Boulder Road, Selcourt, , SPRINGS, 1559 - *Mariam Itumeleng Honey*
12. Mamello Perseverance Ncamane - 950104 5243 084 - 38369 Naledi Street, Freedom Square, , BLOEMFONTEIN, 9300 - *Thiwane Perseverance*
13. Savaal Singh - 890929 5214 088 - 338 Bart Joubert Street, Erasmia, , PRETORIA, 0183 - *Swami Vedanand Saraswati*
14. Miriam Jonas - 440819 0166 083 - House No 404, Magojaneng, , KURUMAN, 8460 - *Keoagile Miriam*
15. Moses Aba - 780401 5247 081 - 24174 Soul City, , KIMBERLEY, 8300 - *Moses Shimmy Mxolisi*

DEPARTMENT OF HOME AFFAIRS

NO. 353

13 APRIL 2017

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. **38822** which, was published in Government Gazette No. **440** dated **29 May 2015**, is hereby rectified to read as follows

1. Sifiso Nduduzo Mphofu - 960401 5434 087 - Embangweni Location, Ward 5, , HARDING, 4680 – *Nduli*

Notice is hereby given of Government Gazette No. **38844** which, was published in Government Gazette No. **460** dated **05 June 2015**, is hereby rectified to read as follows

2. Bulelani Luthuli - 891027 5936 088 - Mthentu Location, Ward 6, , HARDING, 4680 – *Mphofu*

Notice is hereby given of Government Gazette No. **40637** which, was published in Government Gazette No. **158** dated **24 February 2017**, is hereby rectified to read as follows

3. Thuso Manake - 860705 6127 081 - C740 Madela , Extension 2, , TEMBISA, 1632 - *Mohlakoana*
4. Thapelo Christmas - 970228 6383 080 - 2162 Tswete Street, , , DUDUZA, 1496 - *Motloun*
5. Nonhlanhla Irene Hlahane - 910609 0531 084 - 6836 Khumelo Street, Thokoza, , ALBERTON, 1426 - *Nkala*
6. Reuben Thulane Olifant - 610331 5690 087 - 960 Spoonbill Street, Section B, Palm Springs, EVATON, 1984 - *Morailane*
7. Sifiso Sydwell Madonsela - 860218 5468 084 - 4335 Chocolate Street, , , MHLUZI, 1053 - *Nxumalo*
8. Marama Mashilo - 850708 5439 087 - Stand No 72, Finale, , SEKORORO, 0891 - *Moraba*
9. Sihle Laurence Zuma - 930615 5798 087 - 1616 Corca Road, , , MPOMPHOMENI, 3291 – *Shezi*

Notice is hereby given of Government Gazette No. **40660** which, was published in Government Gazette No. **186** dated **03 March 2017**, is hereby rectified to read as follows

1. Joseph Komaitse Moalusi - 740719 5743 083 - 99E Mokgareng, , , TAUNG, 8584 - *Choche*
2. Matsere Nelson Makgoga - 640306 5597 080 - 1007 Leeufontein, , , MOGANYAKA, 0459 - *Moropane*
3. Xolisile Shawe - 930609 0215 080 - 3187 Nare Street, Emndeni Extension, , KWAXUMA, 1868 - *Mkhize*
4. Sandiswa Ngongo - 980825 5924 083 - A874 Fiveroom, , , WEMBEZI, 3210 - *Ndlovu*
5. Gcinumuzi Simphiwumfana Masango - 920422 5042 083 - 7 Stanley Street, New State Area, , SPRINGS, 1559 - *Nkosi Masango*
6. Raesetja Sarah Phala - 420404 0459 087 - House No 51, Unit B, , VIKING, 0728 - *Selane*
7. Malusi Handson Sibiya - 970125 5690 087 - P O Box 137, , , NKANDLA, 3880 - *Zondi*
8. Lihle Andile Myeni - 980714 1272 087 - Private Bag X 5061, , , NONGOMA, 3950 - *Mdletshe*
9. Evah Maphuti Seanyuni - 900629 0708 088 - 12 Wildery Street, , , ONVERWACHT, 0557 - *Makgae*
10. Innocent Ntombikayise Mokoena - 780112 1122 083 - 32051 Vukuzenzela Street, Extension 12A, , TSAKANE, 1550 – *Sibuyi*

Notice is hereby given of Government Gazette No. **40733** which, was published in Government Gazette No. **277** dated **31 March 2017**, is hereby rectified to read as follows

Dean Lawrence Frasmus - 970209 5124 089 - 11 Eekhoring Street, Van Riebeeck Park, , KEMPTON PARK, 1619 - *Le Roux*

Pearl Philiswa Xongwana - 691019 0778 088 - Zazulwana Area, , BUTTERWORTH, 4960 - *Sese*

Philani Mbeje - 891219 6250 086 - Mlalazi Reserve, , ESHOWE, 3815 - *Ndlovu*

Itumeleng John Nonyane - 950404 6069 086 - House No 31040, Motlhabeng Village, , MMABATHO, 2745 - *Legwase*

Abel Mfundisi - 900321 6018 080 - 9777 Extension 8, , NELLMAPIUS, 0122 - *Raseroka*

Thembisile Chiliza - 980303 0758 088 - Mnyandu Location, , PIETERMARITZBURG, 3201 - *Sibetha*

Dineo Mahlangu - 980327 1191 080 - 296 Ntoane, , DENNILTON, 1030 - *Phora*

Katlego Francina Bambo - 970707 0674 081 - 180 Sekgakgapeng, , MOKOPANE, 0600 - *Marema*

Notice is hereby given of Government Gazette No. **40734** which, was published in Government Gazette No. **278** dated **07 April 2017**, is hereby rectified to read as follows

Sithembiso Mpupa - 870129 5572 080 - P264 Madikane Street, , MBEKWENI, 7626 - *Nqweniso*

Matlakala Gilford Matlamela - 850519 6109 086 - Stand No 300, , MOLETJIE, 0742 - *Mashia*

Dumazile Pretty Sikakane - 900418 1235 089 - Q134 Umdlebe Road, Umlazi Township, , UMLAZI, 4031 - *Khubone*

Tebogo Johannes Manganye - 870215 5913 083 - 2858 Extension 4, , MOOKGOPHONG, 0560 - *Thulare*

Makhora Maria Maja - 731219 0294 084 - Stand No 20064, , GA-MATLALA, 0757 - *Maake*

Napolion Mompoloki Motladiile - 910525 5483 081 - 47 Lesetlha Section, Moshana Village, , ZEERUST, 2888 - *Monei*

Dakalo Calphus Mathivha - 981011 5807 086 - 3810 Extension 2, Ivory Park, , MIDRAND, 1685 - *Nobeke*

Thubalakhe Sikhakhane - 971225 5424 088 - Nkande Area, , BLOODRIVER, 3102 - *Nkabinde*

Thembelihle Manana - 790718 0424 086 - 1423 Daggakraal, , AMERSFOORT, 2490 - *Shabangu*

Notice is hereby given of Government Gazette No. **40733** which, was published in Government Gazette No. **277** dated **31 March 2017**, is hereby rectified to read as follows

Thivhavhudzi William Madamalala - 540611 5699 088 - your wife - Dikeledi Daisy Madamalala - 710205 0776 084 - and your three minor children - Mogau Naume Madamalala - 030530 0288 084 - Rofunwa Madamalala - 080914 0967 088 - Ritshidze Madamalala - 000928 5461 084 - P O Box 751, , MUTALE, 0956 - *Nethengwe*

Pulane Bridgette Koboti - 960120 0800 080 - and your two minor children - Pule Esau Koboti - 140119 6262 082 - Omolemo Koboti - 160306 5188 088 - House No A20, Danoon, , KURUMAN, 8460 - *Melore*

Atholo Phillip Sediba - 710801 5519 089 - your wife - Thembi Sarah Sediba - 760109 0438 084 - 37971 Kgomoeswane Street, Extension 22, , MAMELODI EAST, 0122 - *Sithole*

Khawulelwa Hafula - 820304 0701 080 - and your three minor children - Vuyiseka Hafula - 000125 1020 085 - Ntombifikile Hafula - 040927 1048 087 - Sinxolo Hafula - 070128 0734 081 - Debera Area, , NGCOBO, 5050 - *Tube*

DEPARTMENT OF JUSTICE AND CONSTITUTIONAL DEVELOPMENT

NO. 354

13 APRIL 2017

PROMOTION OF ACCESS TO INFORMATION ACT, 2000**DESCRIPTION SUBMITTED IN TERMS OF SECTION 15(1)**

I, Tshililo Michael Masutha, Minister of Justice and Correctional Services, hereby publish under section 15(2) of the Promotion of Access to Information Act, 2000 (Act No. 2 of 2000), the descriptions submitted to me in terms of section 15(1) of the said Act by the –

uMHLATHUZE MUNICIPALITY

As set out in the Schedule

**TSHILOLO MICHAEL MASUTHA, MP (ADV)****MINISTER FOR JUSTICE AND CORRECTIONAL SERVICES**

CITY OF uMHLATHUZE

NOTICE IS GIVEN THAT THE MANUAL ON FUNCTIONS AND RECORDS HELD BY THE CITY OF UMHLATHUZE IN COMPLIANCE TERMS OF THE ACCESS TO INFORMATION ACT NO 2 OF 2000 HAS BEEN UPDATED AND TERMED THE EIGHTH EDITION. THIS MANUAL REFLECTS THAT THE FOLLOWING RECORDS ARE AUTOMATICALLY AVAILABLE WITHOUT HAVING TO REQUEST ACCESS IN TERMS OF THE AFOREMENTIONED ACT.

SECTION 15 (2) NOTICE OF THE PROMOTION OF ACCESS TO INFORMATION ACT, 2000 (ACT NO 2 OF 2000): VOLUNTARY DISCLOSURE AND AUTOMATMATIC AVAILABILITY OF RECORDS

DESCRIPTION OF CATEGORY OF RECORDS AUTOMATICALLY AVAILABLE IN TERMS OF SECTION 15(1)(a) OF THE PROMOTION OF ACCESS TO INFORMATION ACT, 2000	MANNER OF ACCESS TO RECORDS (e.g. website) (SECTION 15(1)(b))
FOR INSPECTION IN TERMS OF SECTION 15(1)(a)(i):	
NA	NA
FOR PURCHASING IN TERMS OF SECTION 15(1)(a)(ii):	
Maps (Tourism)	Information counters at Municipality
FOR COPYING IN TERMS OF SECTION 15(1)(a)(ii):	
Fixed property owned by the applicant	Available from Department: Corporate Services/City Development
Any by-law framed by Council (hard copy)	Available from Department: Corporate Services
Any tariff charged by Council (hard copy)	Available from Department : Financial Services
Any town planning scheme or development plan administered by Council	Available from Department : City Development
How to obtain access to any service rendered by the Council	Available from the uMhlathuze Municipality
Geographic Information System	Available from Department: Infrastructure and Technical Services
Service register (alphanumeric data)	Available from Department: Infrastructure and Technical Services
Infrastructure themes	Available from Department: Infrastructure and Technical Services
Orthophotos	Available from Department: Infrastructure and Technical Services
Digital terrain modules (DTM's)	Available from Department: Infrastructure and Technical Services
Minutes of open Council and Executive Committee	Available from Department : Corporate Services
Technical Library: Reference books Reports	Available from Department: Infrastructure and Technical Services
Plan filing (civic information) Paper based Microfilm	Available from Department: Infrastructure and Technical Services
Cadastral maps (paper based/electronic)	Available from Department: Infrastructure and Technical Services
Surveyor general plans (paper based/electronic)	Available from Department: Infrastructure and Technical Services
Framework plans (paper based/electronic)	Available from Department: Infrastructure and Technical Services
Scheme maps (paper based/electronic)	Available from Department: Infrastructure and Technical Services
Lease area plans (paper based/electronic)	Available from Department: City Development
Budget including adjustment budget (paper based/electronic)	Available from Department: Financial Services

Orders & remittances (paper based)	Available from Department: Financial Services
Investment register (manual)	Available from Department: Financial Services
Loan register (manual)	Available from Department: Financial Services
Asset register (electronic manual)	Available from Department: Financial Services
Financial statements (electronic manual)	Available from Department: Financial Services
Debtors history (electronic)	Available from Department: Financial Services
Strategic environmental assessment	Available from Department : City Development
Building plans	Available from Department: City Development
Records relating to the adoption, replacement or amendment of a scheme as contained in the Planning and Development Act 2008(Act 6 of 2008)	Available from Department: City Development
Records relating to a proposal to subdivide or consolidate land	Available from Department: City Development
Records relating to a proposal to develop land as contained in the Planning and Development Act 2008(Act 6 of 2008)	Available from Department: City Development
Records relating to a proposal to divide or cancel a layout plan	Available from Department: City Development
Records relating to a proposal to alter, suspend or delete a restriction relating to land	Available from Department: City Development
Records relating to a proposal to permanently close a municipal road or public place	Available from Department: City Development
Records relating to enforcement as contained in the Planning and Development Act 2008(Act 6 of 2008)	Available from Department: City Development
Records relating to appeals as contained in the Planning and Development Act 2008(Act 6 of 2008)	Available from Department: City Development
Records relating to provincial planning and development norms and standards	Available from Department: City Development
Records relating to delegations as contained in the Planning and Development Act 2008(Act 6 of 2008)	Available from Department: City Development
Records of amendments to land use schemes.	Available from Department: City Development
Agency agreements contemplated in section 157 (1)	Available from Department: City Development
AVAILABLE FREE OF CHARGE IN TERMS OF SECTION 15(1)(a)(iii):	
Budget	Available on website www.umhlathuze.gov.za
Budget related policies	Available on website www.umhlathuze.gov.za
Performance agreements	Available on website www.umhlathuze.gov.za
Service delivery agreements	Available on website www.umhlathuze.gov.za
Long term borrowing contracts	Available on website www.umhlathuze.gov.za
Contracts/information/public partnership agreements as prescribed in section 75 of the Municipal Financial Management Act	Available on website www.umhlathuze.gov.za
Bylaws	Available on website www.umhlathuze.gov.za

Councillor details	Available on website www.umhlathuze.gov.za
Demographics	Available on website www.umhlathuze.gov.za
Direction maps	Available on website www.umhlathuze.gov.za
Geographic Information System	Available on website www.umhlathuze.gov.za
Manual on Promotion of Access to Information Act	Available on website www.umhlathuze.gov.za and at Municipal offices.
Newsletters/Annual report	Available on website www.umhlathuze.gov.za
Policies/Statutory reporting	Available on website www.umhlathuze.gov.za
Tariff of charges	Available on website www.umhlathuze.gov.za
Tenders/public notices	Available on website www.umhlathuze.gov.za
Tourism Information	Available on website www.umhlathuze.gov.za

Requests for information can be made in writing, per fax or electronically as follows:

Postal Address: The Information Officer Telephone Number: 035-907 5000
City of uMhlathuze Fax Number: 035-907 5444/5/6/7
Private Bay X1004 eMail address :reg@umhlathuze.gov.za
RICHARDS BAY
3900

Municipal Office
Private Bag X1004
RICHARDS BAY
3900
MN05/2017

DR NJ SIBEKO
MUNICIPAL MANAGER

CITY OF uMHLATHUZE

UYAZISWA UKUTHI UMQULU WEZOKUSEBENZA KANYE NOLWAZI OLUGCINWE IDOLOBHA uMHLATHUZE NGOKUHAMBISANA NOMTHETHO ONGUNOMBOLO 2 KA 2000(WEZOKUNIKEZELWA KOLWAZI) USUBUYE WABUYEKEZWA, USUZOBIZWA NGESISHICILELO SESISHIYAGALOMBILI SOMQULU OKHOMBISA UKUTHI LOLULWAZI OLULANDELAYO SELUYATHOLAKALA NGAPHANDLE KOKUTHI KUZE KWENZIWE ISICELO NGOKULANDELA LOMTHETHO OSHIWO NGENHLA

ISIGABA 15(2) ISAZISO SOKUNIKEZELWA KOLWAZI (UMTHETHO ONGUNOMBOLO 2 KA 2000)UKUDALULA NGAPHANDLE KWEMPOQO KANYE NOKUTHOLAKALA KOLWAZI OLUGCINIWE

AMAGAMA AMADOKODO NGOKWAHLUKANA AKWAZI UKUTHOLAKALA NGOKWESIGABA 15(1)(b) SOMTHETHO WOKUFINYELELA KULWAZI KA 2000.	INDLELA YOKUFINYELELA KUMADOKODO (isibonelo. website) (ISIGABA 15(1)(b))
ANGAHLOLWA NGOKWESIGABA 15(1)(a)(i):	
AKHOKHELWAYO NGOKWESIGABA 15(1)(a)(ii):	
Ibalazwe (Kwezokuncebeleka)	Etafuleni likaMasipala lapho kutholakala khona ulwazi
ANGAGAYWA NGOKWESIGABA 15(1)(a)(ii):	
Isakhamuzi esikwazi ukufaka isicelelo	Atholakala emnyangweni wezokuthuthukiswa kweDolobha nezomhlaba
Inoma imuphi umthetho osuka ezinqumeni zoMkhandlu (osephepheni)	Atholakala emnyangweni Wezokuphathwa kwemisebenzi kaMasipala
Inoma iyiphi inkokhiso ekhokhiswa uMkhandlu (osephepheni)	Atholakala emnyangweni Wezokuphathwa kwemisebenzi kaMasipala
Inoma iluphi uhlelo lwesikimu sokuhlela idolobha noma uhlelo lwentuthuko oluphethwe uMkhandlu	Atholakala emnyangweni wokuhlela nokuqinisekisa intuthuko
Ufinyelela kanjani emisebenzini elethwa uMkhandlu	Itholakala kuMasipala waseMhlathuze
Ulwazi ngokuhleleka kwezindawo	Itholakala emnyangweni wobuNjininiyela
Uhla lwemisebenzi (Ngokulandelayana nangokwezindombolo)	Itholakala emnyangweni wobuNjininiyela
Inhloso yenqalasisizinda	Itholakala emnyangweni wobuNjininiyela
Imidwebo ethathwe ngebhanoyi	Itholakala emnyangweni wobuNjininiyela
Olayini bemvelo ngaphezu kolwandle	Itholakala emnyangweni wobuNjininiyela
Amaminithi oMkhandlu neKomidi elikhulu	Itholakala emnyangweni weZokuphathwa kwemisebenzi kaMasipala
Ngomtapo wezincwadi onobuchwepheshe Amabhuku ayizinkomba Nemibiko	Itholakala emnyangweni wobuNjininiyela
Nokufayelwa kwezinhlelo (ngolwazi lwedolobha) Ngamaphepha agcinlwe Ngezithombe ezincane ezisebenza kwikhomputha	Itholakala emnyangweni wobuNjininiyela
Nebalazwe (okusemaphepheni / emshinini kwikhomputha)	Itholakala emnyangweni wobuNjininiyela
Nezinhlalo ezibhaliswe emnyangweni wabahlali (okusemaphepheni/emshinini kwikhomputha)	Itholakala emnyangweni wobuNjininiyela
Uhlaka lonke lokuhlelwa kwedolobha (okusemaphepheni / emshinini kwikhomputha)	Itholakala emnyangweni wobuNjininiyela
Nebalazwe ngokwehlukana kwezindawo (okusemaphepheni / emshinini kwikhomputha)	Itholakala emnyangweni wobuNjininiyela

Izinhlelo zezindawo eziqashisile (okusemaphepheni/ emshinini)	Itholakala emnyangweni Wezokuphathwa kwemisebenzi kaMasipala
Uhlahlomali luhlanganisa nezimali ezibuyekeziwe (okusemaphepheni / emshinini)	Itholakala kuMgcimafa omkhulu
Ama-oda nezincwajana ezisalayo (okusemaphepheni)	Itholakala kuMgcinimafa omkhulu
Izimali ezitshaliwe nezibhalwe phansi (ibhukwana)	Itholakala kuMgcinimafa omkhulu
Izimali ezibolekiwe nezibhalwe phansi (ibhukwana)	Itholakala kuMgcinimafa omkhulu
Uhla lwezimpahla ezikhona (emshinini kwikhomputha)	Itholakala kuMgcinimafa omkhulu
Isaziso ngezimali (ibhukwana ngekhomputha)	Itholakala kuMgcinimafa omkhulu
Umlando ngezikweletu (ngekhomputha)	Itholakala kuMgcinimafa omkhulu
Ukubuyekeza ezocwaningo lwezemvelo	Atholakala kuMqondisi emnyangweni wokuhlela nokuginisekisa intuthuko
Amapulani okwakha	Atholakala eMnyangweni weZokuthuthukiswa kweDolobha
Amarekodi aphaathelene nokwemukelwa, ukufaka noma ukuchitshiyelwa kohlelo njengoba kutholakala eMthethweni ongunombolo 6 ka 2008 wokuHlela nokuThuthukisa.	Atholakala eMnyangweni weZokuthuthukiswa kweDolobha
Amarekodi aphaathelene nokuhlelwa nokuhlukaniswa iziqephu noma ukuhlukaniswa komhlaba	Atholakala eMnyangweni weZokuthuthukiswa kweDolobha
Amarekodi aphaathelene nokuhlelwa kokuthuthukiswa komhlaba okuhlongozwayo njengoba kutholakala eMthethweni ongunombolo 6 ka 2008 wokuHlela nokuThuthukisa	Atholakala eMnyangweni weZokuthuthukiswa kweDolobha
Amarekodi aphaathelene nokuhlelwa ukuhlukaniswa phakathi noma ukusulwa kwepulani.	Atholakala eMnyangweni weZokuthuthukiswa kweDolobha
Amarekodi aphaathelene nokuhlelwa kokulungiswa, ukumiswa noma ukususwa kwezithlyo eziphathelele nohlelo lokwakha.	Atholakala eMnyangweni weZokuthuthukiswa kweDolobha nezomhlaba
Amarekodi aphaathelene nokuhlelwa kokuvalwa unomphela komgwaqo kamasipala noma kwendawo yomphakathi	Atholakala eMnyangweni weZokuthuthukiswa kweDolobha nezomhlaba
Amarekodi aphaathelene nokuhutshwa komthetho njengoba kutholakala eMthethweni ongunombolo 6 ka 2008 wokuHlela nokuThuthukisa.	Atholakala eMnyangweni weZokuthuthukiswa kweDolobha nezomhlaba
Amarekodi aphaathelene nezikhalazo njengoba kutholakala eMthethweni ongunombolo 6 ka 2008 wokuHlela nokuThuthukisa	Atholakala eMnyangweni weZokuthuthukiswa kweDolobha nezomhlaba
Amarekodi aphaathelene nokuhlelwa kwesifundazwe kanye nokuthuthukiswa kwezinkambiso kanye nemigomo	Atholakala eMnyangweni weZokuthuthukiswa kweDolobha nezomhlaba
Amarekodi amayelana nokunikezelwa amandla njengoba kutholakala eMthethweni ongunombolo 6 ka 2008 wokuHlela nokuThuthukisa	Atholakala eMnyangweni weZokuthuthukiswa kweDolobha nezomhlaba
Amarekodi aguqulelwe amayelana nokusetshenziswa komhlaba	Atholakala eMnyangweni weZokuthuthukiswa kweDolobha nezomhlaba
nesivumelwano se-ejenti njengokulandisa kwesigaba 157(1).	Atholakala eMnyangweni weZokuthuthukiswa kweDolobha nezomhlaba
ITHOLAKALA MAHALA NGOKUKA SECT 15(1)(a)(iii):	
Uhlahlomali	Itholakala kwi-website www.umhlathuze.gov.za

Imithetho kaMasipala	Itholakala kwi-website www.umhlathuze.gov.za
Imininingwane yamakhansela	Itholakala kwi-website www.umhlathuze.gov.za
Demographics	Itholakala kwi-website www.umhlathuze.gov.za
Ibalazwe elikhombisa imizila	Itholakala kwi-website www.umhlathuze.gov.za
Geographic Information System	Itholakala kwi-website www.umhlathuze.gov.za
Ibhukwana gokomthetho wokugqugqezela ukufinyelela elwazini	Itholakala kwi-website www.umhlathuze.gov.za nasemahhovisi kaMasipala.
Amabhukwana ezindaba/Umbiko wonyaka	Itholakala kwi-website www.umhlathuze.gov.za
Imigomo/Ukwaziswa	Itholakala kwi-website www.umhlathuze.gov.za
Izinkokhelo	Itholakala kwi-website www.umhlathuze.gov.za
Amathenda / Izaziso zomphakathi	Itholakala kwi-website www.umhlathuze.gov.za
Ulwazi ngezokuncebeleka	Itholakala kwi-website www.umhlathuze.gov.za

Uma udinga iminimigwana ungasibhalela noma usithinte kule zizinombolo ezingezansi:

Ikheli: Isikhulu Solwazi
Idolobha Mhlathuze
Private Bay X1004
RICHARDS BAY
3900

Inombolo yocingo: 035-907 5000
Isikhahlamenzi: 035-907 5444/5/6/7
email address: reg@umhlathuze.gov.za

Amahhovisi kaMasipala
Private Bag X1004
RICHARDS BAY
3900
MN05/2017

DR NJ SIBEKO
MUNICIPAL MANAGER

STAD UMHLATHUZE

KENNIS GESKIED HIERMEE DAT DIE HANDLEIDING VAN FUNKSIES EN REKORDS INGEVOLGE TERME VAN DIE TOEGANG TOT INLIGTING (WET NO 2 VAN 2000) GEHOU DEUR DIE STAD VAN UMHLATHUZE OPGEDATEER IS EN STAAN BEKEND AS DIE AGTSTE UITGAWE .DIE HANDLEIDING DUI DAAROP DAT DIE VOLGENDE REKORDS OUTOMATIES BESKIKBAAR IS SONDER DAT TOESTEMMING NODIG IS INGEVOLGE DIE GENOEMDE WET.

ARTIKEL 15 (2) KENNISGEWING VAN DIE BEVORDERING VAN TOEGANG TOT INLIGTING, 2000 (WET NO 2 VAN 2000):VRYWILLIGE OPENBAARMAKING EN OUTOMATIESE BESKIKBAARHEID VAN REKORDS.

INLIGTINGSKATEGORIE WAT BESKIKBAAR IS SONDER DAT AANSOEK DAARTOE VOLGENS DIE WET (ARTIKEL (2) VAN DIE WET OP BEVORDERING TOT TOEGANG TOT INLIGTING NR 2 VAN 2000)GEDOEN MOET WORD	TOEGANG TOT REKORDS (BVL WEBBLAD) (ARTIKLE 15(1)(b))
VIR INSPEKSIE VOLGENS ARIKEL 15(1)(a)(i):	
NVT	NVT
VIR AANKOOP VOLGENS ARTIKEL 15(1)(a)(ii):	
PADKAARTE (Toerisme)	Inligtingstoonbanke by al die kantore
VIR AFSKRIFTE VOLGENS ARTIKEL 15(1)(a)(ii):	
Vaste eiendom in besit van die aansoeker	Beskikbaar by Departement Korporatiewedienste/ Departement Stadsontwikkeling
Enige Bywette deur die Raad opgestel	Beskikbaar by Departement: Korporatiewedienste
Enige Tariewe deur die Raad gehef	Beskikbaar by Departement: Korporatiewedienste
Enige Dorpsbeplanningskema of Ontwikkelingsplan wat deur die Raad beheer word	Beskikbaar by Departement: Stadsontwikkeling
Hoe om inligting te bekom oor dienste deur die Raad gelewer	Beskikbaar by die Munisipaliteit
Geografiese inligtingstelsel	Beskikbaar by: Departement Infrastruktuur en Tegnisedienste
Notules van oop Raads- en Uitvoerendekomiteevergaderings	Beskikbaar by: Departement Korporatiewedienste
Tegniese Biblioteek Naslaanboeke Verslae	Beskikbaar by: Departement Infrastruktuur en Tegnisedienste
Plan Liasseerstelsel (Munisipale Inligting) Harde kopies	Beskikbaar by: Departement Infrastruktuur en Tegnisedienste
KadastrALEKAART (Harde kopies / elektronies)	Beskikbaar by: Departement Infrastruktuur en Tegnisedienste
Algemene landmeterplanne (Harde kopies / elektronies)	Beskikbaar by: Departement Infrastruktuur en Tegnisedienste
Raamwerkplanne (Harde kopies / elektronies)	Beskikbaar by: Departement Infrastruktuur en Tegnisedienste
Projekkaarte (Harde kopies / elektronies)	Beskikbaar by: Departement Infrastruktuur en Tegnisedienste
Huurplanne (Harde kopies / elektronies)	Beskikbaar by: Departement Stadsontwikkeling

Begroting insluitend aansuiwerings begroting (Harde kopieë / elektronies)	Beskikbaar by: Departement Finansiële dienste
Bestellings en betalingsadvise (Harde kopieë)	Beskikbaar by: Departement Finansiële dienste
Beleggingsregister (Boekvorm)	Beskikbaar by: Departement Finansiële dienste
Leningsregister (Boekvorm)	Beskikbaar by: Departement Finansiële dienste
Bateregister (Elektroniese/Boekvorm)	Beskikbaar by: Departement Finansiële dienste
Finansiële state (Elektroniese/Boekvorm)	Beskikbaar by: Departement Finansiële dienste
Debiteurgeskiedenis (Elektronies)	Beskikbaar by: Departement Finansiële dienste
Strategiese omgewingsbeplanning	Beskikbaar by: Departement Stadsontwikkeling
Bouplanne	Beskikbaar by: Departement Stadsontwikkeling
Rekords ten opsigte van die aanvaarding, vervanging of wysiging van 'n skema soos vervat in die Beplanning en Ontwikkelingswet 2008 (Wet 6 van 2008)	Beskikbaar by: Departement Stadsontwikkeling
Rekords met betrekking tot 'n voorstel om grond te onderverdeel of te konsolideer	Beskikbaar by: Departement Stadsontwikkeling
Rekords ten opsigte van 'n voorstel om grond te ontwikkel	Beskikbaar by: Departement Stadsontwikkeling
Rekords ten opsigte van 'n voorstel om 'n uitlegplan te verdeel of te kanselleer	Beskikbaar by: Departement Stadsontwikkeling
Rekords ten opsigte van 'n voorstel om 'n beperking met betrekking tot grond te wysig, op te skort of te skrap	Beskikbaar by: Departement Stadsontwikkeling
Rekords ten opsigte van 'n voorstel om 'n munisipale pad of openbare plek permanent te sluit	Beskikbaar by: Departement Stadsontwikkeling
Rekords ten opsigte van toepassing	Beskikbaar by: Departement Stadsontwikkeling
Rekords ten opsigte van appêle soos vervat in die Beplanning en Ontwikkelingswet 2008 (Wet 6 van 2008)	Beskikbaar by: Departement Stadsontwikkeling
Rekords ten opsigte van provinsiale beplannings- en ontwikkelingsnorme en -standaarde	Beskikbaar by: Departement Stadsontwikkeling
Rekords ten opsigte van delegasies soos vervat in die Beplanning en Ontwikkelingswet 2008 (Wet 6 van 2008)	Beskikbaar by: Departement Stadsontwikkeling
Rekords van wysigings van grondgebruikskemas	Beskikbaar by: Departement Stadsontwikkeling
Agentskapsoreenkomste soos beskryf in artikel 157	Beskikbaar by: Departement Stadsontwikkeling
GRATIS BESKIKBAAR VOLGENS ARTIKEL 15(1)(a)(iii):	
Begroting en aansuiweringsbegroting	Beskikbaar op webblad www.umhlathuze.gov.za
Begrotingverwante beleide	Beskikbaar op webblad www.umhlathuze.gov.za
Prestasieooreenkomste	Beskikbaar op webblad www.umhlathuze.gov.za
Diensleweringooreenkomste	Beskikbaar op webblad www.umhlathuze.gov.za
Langtermyn leningskontrakte	Beskikbaar op webblad www.umhlathuze.gov.za

Kontrakte / inligting / openbare vennootskapoooreenkomste soos voorgeskryf in artikel 75 van die Wet op Munisipale Finansiële Bestuur	Beskikbaar op webblad www.umhlathuze.gov.za
Bywette	Beskikbaar op webblad www.umhlathuze.gov.za
Inligting van Raadslede	Beskikbaar op webblad www.umhlathuze.gov.za
Demografie	Beskikbaar op webblad www.umhlathuze.gov.za
Padkaarte	Beskikbaar op webblad www.umhlathuze.gov.za
Geografiese inligtingstelsel	Beskikbaar op webblad www.umhlathuze.gov.za
Handleiding van die Wet op Bevordering van Toegang tot Inligting: Nr 2 van 2000	Beskikbaar op webblad www.umhlathuze.gov.za
Nuusbriefe/Jaarverslae	Beskikbaar op webblad www.umhlathuze.gov.za
Beleid/Statutêre Verslagdienting	Beskikbaar op webblad www.umhlathuze.gov.za
Tariewe	Beskikbaar op webblad www.umhlathuze.gov.za
Tenders/Publieke kennisgewings	Beskikbaar op webblad www.umhlathuze.gov.za
Toerisme Inligting	Beskikbaar op webblad www.umhlathuze.gov.za

Versoeke vir inligting kan per skrif, faks of elektronies gerig word aan:

Posaddress : Die Inligtingsbeampte
uMhlathuze Stad
Privaatsak X1004
RICHARDSBAAI
3900

Telefoonnommer: 035-907 5000
Faksnommer: 035-907 5444/5/6/7
eposadres: reg@umhlathuze.gov.za

Munisipale Kantore
Privaatsak X1004
RICHARDSBAAI
3900
MN05/2017

DR NJ SIBEKO
MUNISIPALE BESTUURDER

SOUTH AFRICAN REVENUE SERVICE**NO. 355****13 APRIL 2017****INCOME TAX ACT, 1962****AGREEMENT BETWEEN THE GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA AND
THE GOVERNMENT OF GRENADA FOR THE EXCHANGE OF INFORMATION RELATING TO
TAX MATTERS**

In terms of section 108(2) of the Income Tax Act, 1962 (Act No 58 of 1962), read in conjunction with section 231(4) of the Constitution of the Republic of South Africa, 1996 (Act No 108 of 1996), it is hereby notified that the Agreement for the exchange of information relating to tax matters set out in the Schedule to this Notice has been entered into with the Government of Grenada and has been approved by Parliament in terms of section 231(2) of the Constitution.

It is further notified in terms of Article 10 of the Agreement, that the date of entry into force is 10 March 2017.

SCHEDULE

AGREEMENT BETWEEN THE GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA AND THE GOVERNMENT OF GRENADA FOR THE EXCHANGE OF INFORMATION RELATING TO TAX MATTERS

PREAMBLE

WHEREAS the Government of the Republic of South Africa and the Government of Grenada ("the Parties") have long been active in international efforts in the fight against financial and other crimes;

WHEREAS the Parties wish to enhance and facilitate the terms and conditions governing the exchange of information relating to taxes;

DESIRING THEREFORE the Parties in concluding the following Agreement which contains obligations on the part of the Parties only,

HAVE AGREED AS FOLLOWS:

ARTICLE 1

SCOPE OF THE AGREEMENT

The Parties through their competent authorities shall provide assistance through exchange of information that is foreseeably relevant to the administration and enforcement of the domestic laws of the Parties concerning the taxes covered by this Agreement, including information that is foreseeably relevant to the determination, assessment, enforcement or collection of tax with respect to persons subject to such taxes, or to the investigation of tax matters or the prosecution of criminal tax matters in relation to such persons. A requested Party is not obliged to provide information which is neither held by its authorities nor in the possession of or obtainable by persons who are within its territorial jurisdiction. The rights and safeguards secured to persons by the laws of the requested Party remain applicable. The requested Party shall use its best endeavours to ensure that the effective exchange of information is not unduly prevented or delayed.

ARTICLE 2**TAXES COVERED**

1. This Agreement shall apply to the following taxes imposed by the Parties:

- (a) in Grenada:
all taxes; and
- (b) in the case of South Africa:
 - (i) the normal tax;
 - (ii) the withholding tax on royalties;
 - (iii) the dividend tax;
 - (iv) the withholding tax on interest;
 - (v) the tax on foreign entertainers and sportspersons; and
 - (vi) the value-added tax.

2. This Agreement shall apply also to any identical taxes imposed after the date of signature of the Agreement in addition to or in place of the existing taxes, or any substantially similar taxes if the Parties so agree. The competent authority of each Party shall notify the other of substantial changes in laws which may affect the obligations of that Party pursuant to this Agreement.

ARTICLE 3**GENERAL DEFINITIONS**

1. In this Agreement:

- (a) the term “Grenada ” means the State of Grenada; and
- (b) the term “South Africa” means the Republic of South Africa and, when used in a geographical sense, includes the territorial sea thereof as well as any area outside the territorial sea, including the continental shelf, which has been or may hereafter be designated, under the laws of South Africa and in accordance with international law, as an area within which South Africa may exercise sovereign rights of jurisdiction;
- (c) the term “company” means any body corporate or any entity that is treated as a body corporate for tax purposes;
- (d) the term “competent authority” means:
 - (i) in the case of Grenada, the Minister of Finance or an authorised representative of the Minister of Finance; and
 - (ii) in the case of South Africa, the Commissioner of the South African Revenue Service or an authorised representative of the Commissioner;

- (e) the term “criminal laws” means all criminal laws designated as such under domestic law, irrespective of whether such are contained in the tax laws, the criminal code or other statutes;
- (f) the term “criminal tax matters” means tax matters involving intentional conduct whether before or after the entry into force of this Agreement which is liable to prosecution under the criminal laws of the requesting Party;
- (g) the term “information” means any fact, statement, document or record in whatever form;
- (h) the term “information gathering measures” means laws and administrative or judicial procedures enabling a requested Party to obtain and provide the information requested;
- (i) the term “person” includes an individual, a company or any other body or group of persons;
- (j) the term “publicly traded company” means any company whose principal class of shares is listed on a recognised stock exchange provided its listed shares can be readily purchased or sold by the public. Shares can be purchased or sold “by the public” if the purchase or sale of shares is not implicitly or explicitly restricted to a limited group of investors;
- (k) the term “principal class of shares” means the class or classes of shares representing a majority of the voting power and value of the company;
- (l) the term “recognised stock exchange” means any stock exchange agreed upon by the competent authorities of the Parties;
- (m) the term “public collective investment scheme” means any scheme or fund, in which the purchase, sale or redemption of shares or other interests is not implicitly or explicitly restricted to a limited group of investors;
- (n) the term “requested Party” means the Party to this Agreement which is requested to provide or has provided information in response to a request;
- (o) the term “requesting Party” means the Party to this Agreement submitting a request for or having received information from the requested Party; and
- (p) the term “tax” means any tax covered by this Agreement.

2. As regards the application of this Agreement at any time by a Party, any term not defined therein shall, unless the context otherwise requires, have the meaning that it has at that time under the laws of that Party, any meaning under the applicable tax laws of that Party prevailing over a meaning given to the term under other laws of that Party.

ARTICLE 4**EXCHANGE OF INFORMATION UPON REQUEST**

1. The competent authority of the requested Party shall provide upon request by the requesting Party information for the purposes referred to in Article 1. Such information shall be exchanged without regard to whether the requested Party needs such information for its own tax purposes or the conduct being investigated would constitute a crime under the laws of the requested Party if it had occurred in the territory of the requested Party. The competent authority of the requesting Party shall only make a request for information pursuant to this Article when it is unable to obtain the requested information by other means within its own territory, except where recourse to such means would give rise to disproportionate difficulty.

2. If the information in the possession of the competent authority of the requested Party is not sufficient to enable it to comply with the request for information, the requested Party shall use the information gathering measures it considers relevant to provide the requesting Party with the information requested, notwithstanding that the requested Party may not need such information for its own tax purposes.

3. If specifically requested by the competent authority of the requesting Party, the competent authority of the requested Party shall provide information under this Article, to the extent allowable under its domestic laws, in the form of depositions of witnesses and authenticated copies of original records.

4. Each Party shall ensure that it has the authority, subject to the terms of Article 1, to obtain and provide, through its competent authority and upon request:

- (a) information held by banks, other financial institutions, and any person, including nominees and trustees, acting in an agency or fiduciary capacity;
- (b)
 - (i) information regarding the legal and beneficial ownership of companies, partnerships, foundations and other persons, including in the case of collective investment schemes, information on shares, units and other interests;
 - (ii) in the case of trusts, information on settlors, trustees and beneficiaries.

5. This Agreement does not create an obligation for a Party to obtain or provide ownership information with respect to publicly traded companies or public collective investment schemes, unless such information can be obtained without giving rise to disproportionate difficulties.

6. Any request for information shall be formulated with the greatest detail possible in specifying in writing:

- (a) the identity of the person under examination or investigation;
- (b) the period for which the information is requested;

- (c) the nature of the information requested and the form in which the requesting Party would prefer to receive it;
- (d) the tax purpose for which the information is sought;
- (e) the reasons for believing that the information requested is foreseeably relevant to tax administration and enforcement of the requesting Party, with respect to the person identified in subparagraph (a) of this paragraph;
- (f) grounds for believing that the information requested is present in the requested Party or is in the possession of or obtainable by a person within the jurisdiction of the requested Party;
- (g) to the extent known, the name and address of any person believed to be in possession or able to obtain the information requested;
- (h) a statement that the request is in conformity with the laws and administrative practices of the requesting Party, that if the requested information was within the jurisdiction of the requesting Party then the competent authority of the requesting Party would be able to obtain the information under the laws of the requesting Party or in the normal course of administrative practice and that it is in conformity with this Agreement;
- (i) a statement that the requesting Party has pursued all means available in its own territory to obtain the information, except where that would give rise to disproportionate difficulty.

7. The competent authority of the requested Party shall acknowledge receipt of the request to the competent authority of the requesting Party and shall use its best endeavours to forward the requested information to the requesting Party with the least possible delay. To ensure a prompt response, the competent authority of the requested Party shall:

- (a) confirm receipt of a request in writing to the competent authority of the requesting Party and shall notify the competent authority of the requesting Party of deficiencies in the request, if any, within 60 days of the receipt of the request;
- (b) if the competent authority of the requested Party has been unable to obtain and provide the information within 90 days of receipt of the request, including if it encounters obstacles in furnishing the information or it refuses to furnish the information, it shall immediately inform the requesting Party, explaining the reason for its inability, the nature of the obstacles or the reasons for its refusal.

ARTICLE 5**TAX EXAMINATIONS ABROAD**

1. With reasonable notice, the requesting Party may request that the requested Party allow representatives of the competent authority of the requesting Party to enter the territory of the requested Party, to the extent permitted under its domestic laws, to interview individuals and examine records with the prior written consent of the individuals or other persons concerned. The competent authority of the requesting Party shall notify the competent authority of the requested Party of the time and place of the intended meeting with the individuals concerned.

2. At the request of the competent authority of the requesting Party, the competent authority of the requested Party may permit representatives of the competent authority of the requesting Party to attend a tax examination in the territory of the requested Party.

3. If the request referred to in paragraph 2 is granted, the competent authority of the requested Party conducting the examination shall, as soon as possible, notify the competent authority of the requesting Party of the time and place of the examination, the authority or person authorised to carry out the examination and the procedures and conditions required by the requested Party for the conduct of the examination. All decisions regarding the conduct of the examination shall be made by the requested Party conducting the examination.

ARTICLE 6**POSSIBILITY OF DECLINING A REQUEST**

1. The competent authority of the requested Party may decline to assist:

- (a) where the request is not made in conformity with this Agreement;
- (b) where the requesting Party has not pursued all means available in its own territory to obtain the information, except where recourse to such means would give rise to disproportionate difficulty; or
- (c) where the disclosure of the information requested would be contrary to public policy of the requested Party.

2. This Agreement shall not impose upon a requested Party any obligation to provide items subject to legal privilege, or any trade, business, industrial, commercial or professional secret or trade process, provided that information described in Article 4, paragraph 4, shall not by reason of that fact alone be treated as such a secret or trade process.

3. A request for information shall not be refused on the ground that the tax claim giving rise to the request is disputed.

4. The requested Party shall not be required to obtain and provide information which, if the requested information was within the jurisdiction of the requesting Party, the competent authority of the requesting Party would not be able to obtain under its laws or in the normal course of administrative practice.

5. The requested Party may decline a request for information if the information is requested by the requesting Party to administer or enforce a provision of the tax law of the requesting Party, or any requirement connected therewith, which discriminates against a national or citizen of the requested Party as compared with a national or citizen of the requesting Party in the same circumstances.

ARTICLE 7

CONFIDENTIALITY

1. All information provided and received by the competent authorities of the Parties shall be kept confidential.

2. Such information shall be disclosed only to persons or authorities (including courts and administrative bodies) concerned with the purposes specified in Article 1, and used by such persons or authorities only for such purposes, including the determination of any appeal. For these purposes, information may be disclosed in public court proceedings or in judicial decisions.

3. Such information may not be used for any purpose other than for the purposes stated in Article 1 without the express written consent of the competent authority of the requested Party.

4. Information provided to a requesting Party under this Agreement may not be disclosed to any other jurisdiction.

ARTICLE 8

COSTS

Unless the competent authorities of the Parties otherwise agree, indirect costs incurred in providing assistance shall be borne by the requested Party, and direct costs incurred in providing assistance (including costs of engaging external advisors in connection with litigation or otherwise) shall be borne by the requesting Party. The respective competent authorities shall consult from time to time with regard to this Article, and in particular the competent authority of the requested Party shall consult with the competent authority of the requesting Party in advance if the costs of providing information with respect to a specific request are expected to be significant.

ARTICLE 9**MUTUAL AGREEMENT PROCEDURE**

1. Where difficulties or doubts arise between the Parties regarding the implementation or interpretation of this Agreement, the respective competent authorities shall use their best efforts to resolve the matter by mutual agreement.
2. In addition to the agreements referred to in paragraph 1, the competent authorities of the Parties may mutually agree on the procedures to be used under Articles 4, 5 and 8.
3. The competent authorities of the Parties may communicate with each other directly for purposes of reaching agreement under this Article.
4. The Parties shall agree on other forms of dispute resolution should this become necessary.

ARTICLE 10**ENTRY INTO FORCE**

This Agreement shall enter into force 30 days after receipt of written notification by the latter Party of completion of all legal formalities required for entry into force. Upon the date of entry into force, it shall have effect:

- (a) for criminal tax matters on that date; and
- (b) for all other matters covered in Article 1 on that date, but only in respect of taxable periods beginning on or after that date or, where there is no taxable period, all charges to tax arising on or after that date.

ARTICLE 11**TERMINATION**

1. This Agreement shall remain in force until terminated by either Party.
2. Either Party may terminate this Agreement by giving notice of termination in writing. Such termination shall become effective on the first day of the month following the expiration of a period of six months after the date of receipt of notice of termination by the other Party. All requests received up to the effective date of termination will be dealt with in accordance with the terms of this Agreement.
3. If the Agreement is terminated the Parties shall remain bound by the provisions of Article 7 with respect to any information obtained under this Agreement.

IN WITNESS WHEREOF the undersigned, being duly authorised by their respective Governments, have signed and sealed this Agreement in two originals in the English language, both texts being equally authentic.

DONE at St Georges, Grenada on 10th day of December in the year 2014.

**FOR THE GOVERNMENT OF THE
REPUBLIC OF SOUTH AFRICA**

**FOR THE GOVERNMENT OF
GRENADA**

SUID-AFRIKAANSE INKOMSTEDIENS**NO. 355****13 APRIL 2017****INKOMSTEBELASTINGWET, 1962****OOREENKOMS TUSSEN DIE REGERING VAN DIE REPUBLIEK VAN SUID-AFRIKA EN DIE REGERING VAN GRENADA VIR DIE UITRUIL VAN INLIGTING MET BETREKKING TOT BELASTINGAANGELEENTHEDE**

Ingevolge artikel 108(2) van die Inkomstebelastingwet, 1962 (Wet No 58 van 1962), saamgelees met artikel 231(4) van die Grondwet van die Republiek van Suid-Afrika, 1996 (Wet No 108 van 1996), word hiermee kennis gegee dat die Ooreenkoms vir die uitruil van inligting met betrekking tot belastingaangeleenthede wat in die Bylae tot hierdie Kennisgewing vervat is, aangegaan is met die Regering van Grenada en deur die Parlement goedgekeur is ingevolge artikel 231(2) van die Grondwet.

Daar word verder bekendgemaak dat ingevolge Artikel 10 van die Ooreenkoms, die datum van inwerkingtreding 10 Maart 2017 is.

BYLAE**OOREENKOMS TUSSEN DIE REGERING VAN DIE REPUBLIEK VAN SUID-AFRIKA EN DIE REGERING VAN GRENADA VIR DIE UITRUIL VAN INLIGTING MET BETREKKING TOT BELASTINGAANGELEENTHEDE****AANHEF**

AANGESIEN die Regering van die Republiek van Suid-Afrika en die Regering van Grenada ("die Partye") al lank bedrywig is in internasionale pogings in die stryd teen finansiële en ander misdrywe;

AANGESIEN die Partye die bepalings en voorwaardes wil verstewig en bevorder wat die uitruil van inligting met betrekking tot belastings reël;

DUS BEGERIG is om die volgende Ooreenkoms aan te gaan wat verpligtinge vir slegs die Partye bevat,

HET DIE PARTYE SOOS VOLG OOREENGEKOM:**ARTIKEL 1****BESTEK VAN OOREENKOMS**

Die Partye, deur hulle bevoegde owerhede, moet bystand verleen deur die uitruil van inligting wat voorsienbaar tersaaklik is vir die administrasie en afdwinging van die landsreg van die Partye rakende die belastings wat deur hierdie Ooreenkoms gedek word, insluitende inligting wat voorsienbaar tersaaklik is vir die vasstelling, aanslaan, afdwinging of invordering van belasting ten opsigte van persone wat aan sodanige belastings onderhewig is, of vir die ondersoek van belastingaangeleenthede of die vervolging van strafregtelike belastingaangeleenthede met betrekking tot sodanige persone. 'n Versoekte Party is nie verplig om inligting te verskaf wat nóg deur sy owerhede gehou word, nóg in die besit is van, of verkrygbaar is by, persone wat binne sy gebiedsjurisdiksie is nie. Die regte en beskerming verleen aan persone deur die reg van die versoekte Party bly van toepassing. Die versoekte Party moet alles in sy vermoë doen om te verseker dat die doeltreffende uitruil van inligting nie ten onregte voorkom of uitgestel word nie.

ARTIKEL 2**BELASTINGS GEDEK**

1. Hierdie Ooreenkoms is van toepassing op die volgende belastinge wat deur die Partye opgelê word:

- (a) in Grenada:
alle belastinge; en
- (b) in die geval van Suid-Afrika:
 - (i) die normale belasting;
 - (ii) die terughoubelasting op tantième;
 - (iii) die dividendbelasting;
 - (iv) die terughoubelasting op rente;
 - (v) die belasting op buitelandse vermaaklikheidskunstenaars en sportpersone;
en
 - (vi) die belasting op toegevoegde waarde.

2. Hierdie Ooreenkoms is ook van toepassing op enige identiese belastinge wat na die datum van ondertekening van die Ooreenkoms bykomend tot of in die plek van bestaande belastinge opgelê word, of enige wesenlik soortgelyke belastinge indien die Partye daartoe instem. Elk van die bevoegde owerhede van die Partye moet die ander kennis gee van wesenlike veranderinge aan die reg wat die verpligtinge van daardie Party ingevolge hierdie Ooreenkoms kan raak.

ARTIKEL 3**ALGEMENE WOORDOMSKRYWING**

1. In hierdie Ooreenkoms:

- (a) beteken die uitdrukking "Grenada" die Staat van Grenada;
- (b) beteken die uitdrukking "Suid-Afrika" die Republiek van Suid-Afrika en, wanneer dit in 'n geografiese verband gebruik word, ingesluit die gebiedswaters daarvan asook enige gebied buite die gebiedswaters, ingesluit die vastelandsplat, wat ingevolge die reg van Suid-Afrika en ooreenkomstig die volkereg aangedui is of hierna aangedui word as 'n gebied waarbinne Suid-Afrika soewereine regte van jurisdiksie kan uitoefen;
- (c) beteken die uitdrukking "maatskappy" enige regspersoon of enige entiteit wat vir belastingdoeleindes as 'n regspersoon behandel word;
- (d) beteken die uitdrukking "bevoegde owerheid":
 - (i) in die geval van Grenada, die Minister van Finansies of 'n gemagtigde verteenwoordiger van die Minister van Finansies; en
 - (ii) in die geval van Suid-Afrika, die Kommissaris van die Suid-Afrikaanse Inkomstediens of 'n gemagtigde verteenwoordiger van die Kommissaris;

- (e) beteken die uitdrukking "strafreg" alle strafregbepalings wat as sodanig aangewys is ingevolge die landsreg, ongeag of sodanige bepalinge in die belastingreg, die strafregkode of ander statute vervat is;
- (f) beteken die uitdrukking "strafregtelike belastingaangeleentheid" belastingaangeleentheid wat opsetlike gedrag behels, hetsy voor of na die inwerkingtreding van hierdie Ooreenkoms, wat ingevolge die strafreg van die versoekende Party aan vervolging onderhewig is;
- (g) beteken die uitdrukking "inligting" enige feit, verklaring, dokument of rekord in watter vorm ook al;
- (h) beteken die uitdrukking "inligtingversamelmaatreëls" die reg en administratiewe of regsprosedures wat 'n versoekte Party in staat stel om die verlangde inligting te bekom en te verskaf;
- (i) behels die uitdrukking "persoon" ingesluit 'n individu, 'n maatskappy of enige ander liggaam van persone of groep persone;
- (j) beteken die uitdrukking "openbaar verhandelde maatskappy" enige maatskappy waarvan die hoofklas van aandele op 'n erkende aandelebeurs genoteer is, mits sy genoteerde aandele geredelik deur die publiek gekoop of verkoop kan word. Aandele kan "deur die publiek" gekoop of verkoop word indien die koop of verkoop van aandele nie implisiet of eksplisiet tot 'n beperkte groep beleggers beperk word nie;
- (k) beteken die uitdrukking "hoofklas van aandele" die klas of klasse van aandele wat 'n meerderheid van die stemkrag en waarde van die maatskappy verteenwoordig;
- (l) beteken die uitdrukking "erkende aandelebeurs" enige aandelebeurs waartoe die bevoegde owerhede van die Partye ooreengekom het;
- (m) beteken die uitdrukking "openbare kollektiewe beleggingskema" enige skema of fonds waarin die koop, verkoop of aflossing van aandele of ander belange nie implisiet of eksplisiet tot 'n beperkte groep beleggers beperk word nie;
- (n) beteken die uitdrukking "versoekte Party" die Party by hierdie Ooreenkoms wat versoek word om inligting te verskaf of wat inligting verskaf het in antwoord op 'n versoek;
- (o) beteken die uitdrukking "versoekende Party" die Party by hierdie Ooreenkoms wat 'n versoek om inligting indien of wat inligting van die versoekte Party ontvang het; en
- (p) beteken die uitdrukking "belasting" enige belasting gedek deur hierdie Ooreenkoms.

2. Betreffende die toepassing van hierdie Ooreenkoms te eniger tyd deur 'n Party, het 'n uitdrukking wat nie daarin omskryf is nie, tensy dit uit die samehang anders blyk, die betekenis wat dit op daardie tydstip ingevolge die reg van daardie Party het, en geniet enige betekenis ingevolge die toepaslike belastingreg van daardie Party voorrang bo 'n betekenis wat ingevolge ander wette van daardie Party aan die uitdrukking geheg word.

ARTIKEL 4**UITRUIL VAN INLIGTING OP VERSOEK**

1. Die bevoegde owerheid van die versoekte Party moet op versoek van die versoekende Party inligting verskaf vir die doeleindes in Artikel 1 genoem. Sodanige inligting word uitgeruil sonder inagneming daarvan of die versoekte Party sodanige inligting vir sy eie belastingdoeleindes nodig het en of die gedrag wat ondersoek word ingevolge die reg van die versoekte Party 'n misdryf sou uitmaak indien dit in die gebied van die versoekte Party plaasgevind het. Die bevoegde owerheid van die versoekende Party mag 'n versoek om inligting ingevolge hierdie Artikel slegs rig wanneer hy nie in staat is om die verlangde inligting deur ander metodes binne sy eie gebied te bekom nie, uitgesonderd waar toevlug tot sodanige metodes tot buitensporige probleme aanleiding sou gee.

2. Indien die inligting in besit van die bevoegde owerheid van die versoekte Party nie voldoende is om hom in staat te stel om aan die versoek om inligting te voldoen nie, moet die versoekte Party die inligtingversamelmaatreëls wat hy tersaaklik ag om die aangevraagde inligting aan die versoekende Party te verskaf gebruik, al het die versoekte Party sodanige inligting nie vir sy eie belastingdoeleindes nodig nie.

3. Indien spesifiek deur die bevoegde owerheid van die versoekende Party daartoe versoek, moet die bevoegde owerheid van die versoekte Party ingevolge hierdie Artikel, in soverre dit ingevolge sy landsreg toelaatbaar is, inligting verskaf in die vorm van verklarings van getuies en gewaarmerkte afskrifte van oorspronklike rekords.

4. Elke Party moet seker maak dat dit die bevoegdheid het, behoudens die bepalings van Artikel 1, om bekom en verskaf, deur sy bevoegde owerheid en op versoek:

- (a) inligting wat gehou word deur banke, ander finansiële instellings en enige persoon, ook benoemdes en trustees, wat in 'n agentskaps- of fidusiêre hoedanigheid optree;
- (b) (i) inligting betreffende die regs- en voordelige eienaarskap van maatskappye, vennootskappe, stigtings en ander persone, insluitende in die geval van kollektiewe beleggingskemas, inligting oor aandele, eenhede en ander belange;
- (ii) in die geval van trusts, inligting oor trustoprigters, trustees en begunstigdes.

5. Hierdie Ooreenkoms skep nie 'n verpligting vir 'n Party om inligting oor eienaarskap met betrekking tot openbaar verhandelde maatskappye of openbare kollektiewe beleggingskemas te bekom of te verskaf nie, tensy sodanige inligting bekom kan word sonder om tot buitensporige probleme aanleiding te gee.

6. Enige versoek om inligting moet so breedvoerig as moontlik geformuleer word deur die volgende skriftelik uiteen te sit:

- (a) die identiteit van die persoon wie se sake nagegaan of wat ondersoek word;
- (b) die tydperk waarvoor die inligting versoek word;

- (c) die aard van die inligting wat verlang word en die vorm waarin die versoekende Party verkies om die inligting te ontvang;
- (d) die belastingdoel waarvoor die inligting verlang word;
- (e) die redes waarom vermoed word dat die aangevraagde inligting voorsienbaar tersaaklik is vir die belastingadministrasie en -afdwinging van die versoekende Party ten opsigte van die persoon wat in subparagraaf (a) van hierdie paragraaf geïdentifiseer is;
- (f) gronde waarom vermoed word dat die aangevraagde inligting in die versoekte Party aanwesig is, of in besit of verkrygbaar is deur 'n persoon binne die jurisdiksie van die versoekte Party;
- (g) in soverre dit bekend is, die naam en adres van 'n persoon wat vermoedelik in besit is van die aangevraagde inligting of in staat is om sodanige inligting te bekom;
- (h) 'n verklaring dat die versoek in ooreenstemming is met die reg en administratiewe praktyke van die versoekende Party, dat indien die aangevraagde inligting binne die jurisdiksie van die versoekende Party was, die bevoegde owerheid van die versoekende Party in staat sou wees om die inligting te bekom ingevolge die reg van die versoekende Party of in die gewone loop van administratiewe praktyk en dat die versoek in ooreenstemming met hierdie Ooreenkoms is;
- (i) 'n verklaring dat die versoekende Party alle metodes in sy eie gebied tot sy beskikking nagevolg het om die inligting te bekom, uitgesonderd waar dit tot buitensporige probleme aanleiding sou gee.

7. Die bevoegde owerheid van die versoekte Party moet ontvangs van die versoek aan die bevoegde owerheid van die versoekende Party erken, en moet alles in sy vermoë doen om die verlangde inligting met die minste moontlike vertraging aan die versoekende Party te versend. Om 'n spoedige antwoord te verseker, moet die bevoegde owerheid van die versoekte Party:-

- (a) skriftelik ontvangs van 'n versoek erken aan die bevoegde owerheid van die versoekende Party, en moet hy die bevoegde owerheid van die versoekende Party binne 60 dae van ontvangs van die versoek in kennis stel van tekortkominge in die versoek, indien enige;
- (b) indien die bevoegde owerheid van die versoekte Party nie in staat was om die inligting binne 90 dae van ontvangs van die versoek te bekom en te verskaf nie, ook indien hy beletsels teëkom in die verskaffing van die inligting of weier om die inligting te verskaf, die versoekende Party onverwyld inlig en die redes vir sy onvermoë, die aard van die beletsels of die redes vir sy weiering verduidelik.

ARTIKEL 5**BELASTINGONDERSOEKE IN DIE BUITELAND**

1. Die versoekende Party kan, met redelike kennisgewing, versoek dat die versoekte Party verteenwoordigers van die bevoegde owerheid van die versoekende Party toelaat om die gebied van versoekte Party binne te gaan, in soverre dit ingevolge sy landsreg veroorloof is, om met individue onderhoude te voer en rekords na te gaan met die vooraf skriftelike toestemming van die betrokke individue of ander persone. Die bevoegde owerheid van die versoekende Party moet die bevoegde owerheid van versoekte Party in kennis stel van die tyd en plek van die voorgenome vergadering met die betrokke individue.

2. Die bevoegde owerheid van die versoekte Party kan, op versoek van die bevoegde owerheid van die versoekende Party, verteenwoordigers van laasgenoemde Party toelaat om 'n belastingondersoek in die gebied van die versoekte Party by te woon.

3. Indien die versoek in paragraaf 2 bedoel toegestaan word, moet die bevoegde owerheid van die versoekte Party wat die ondersoek uitvoer, die bevoegde owerheid van die versoekende Party so gou moontlik in kennis stel van die tyd en plek van die ondersoek, die owerheid of persoon wat gemagtig is om die ondersoek uit te voer, en die prosedures en voorwaardes wat die versoekte Party vir die uitvoer van die ondersoek voorskryf. Alle besluite betreffende die uitvoer van die ondersoek word geneem deur die versoekte Party wat die ondersoek uitvoer.

ARTIKEL 6**MOONTLIKHEID VAN WEIERING VAN 'N VERSOEK**

1. Die bevoegde owerheid van die versoekte Party kan weier om bystand te verleen:

- (a) wanneer die versoek nie in ooreenstemming met hierdie Ooreenkoms gerig is nie;
- (b) wanneer die versoekende Party nie al die metodes in sy eie gebied tot sy beskikking nagevolg het om die inligting te bekom nie, uitgesonderd waar toegang tot sodanige metodes tot buitensporige probleme aanleiding sou gee; of
- (c) waar die openbaarmaking van die verlangde inligting strydig sou wees met die openbare beleid van die versoekte Party.

2. Hierdie Ooreenkoms lê nie 'n verpligting op 'n versoekte Party om items onderhewig aan regsprivilegie of enige handels-, sake-, nywerheids-, kommersiële of beroepsgeheim of handelsproses te verskaf nie, met dien verstande dat inligting wat in Artikel 4, paragraaf 4, beskryf word, nie bloot omrede daardie feit as so 'n geheim of handelsproses gehanteer word nie.

3. 'n Versoek om inligting mag nie geweier word op grond daarvan dat die belastingeis wat tot die versoek aanleiding gegee het, betwis word nie.

4. Daar word nie van die versoekte Party vereis om inligting te bekom en te verskaf wat, sou die verlangde inligting binne die jurisdiksie van die versoekende Party wees, die bevoegde owerheid van die versoekende Party nie ingevolge sy reg of in die gewone verloop van administratiewe praktyk sou kon bekom nie.

5. Die versoekte Party kan 'n versoek om inligting weier indien die inligting deur die versoekende Party versoek word om 'n bepaling van die belastingreg van die versoekende Party, of enige vereiste wat daarmee verband hou, toe te pas of af te dwing wat diskrimineer teen 'n burger of onderdaan van die versoekte Party vergeleke met 'n burger of onderdaan van die versoekende Party in dieselfde omstandighede.

ARTIKEL 7

VERTROULIKHEID

1. Alle inligting wat deur die bevoegde owerhede van die Partye verskaf en ontvang word, moet vertroulik gehou word.

2. Sodanige inligting moet slegs openbaar gemaak word aan persone of owerhede (ook howe en administratiewe liggame) wat gemoeid is met die doeleindes in Artikel 1 vermeld, en moet deur sodanige persone of owerhede vir slegs sodanige doeleindes gebruik word, insluitende die bepaling van enige appèl. Inligting mag, vir hierdie doeleindes, in openbare hofverrigtinge of in regterlike beslissings openbaar gemaak word.

3. Sodanige inligting mag nie sonder die uitdruklike skriftelike toestemming van die bevoegde owerheid van die versoekte Party vir enige ander doel as die doeleindes in Artikel 1 vermeld, gebruik word nie.

4. Inligting wat ingevolge hierdie Ooreenkoms aan 'n versoekende Party verskaf word, mag aan geen ander jurisdiksie openbaar gemaak word nie.

ARTIKEL 8

KOSTE

Tensy die bevoegde owerhede van die Partye anders ooreenkom, word die onregstreekse koste wat by die verskaffing van bystand aangegaan is, deur die versoekte Party gedra, en word die regstreekse koste wat by die verskaffing van bystand aangegaan is (ook die koste om eksterne adviseurs in verband met litigasie of andersins te bekom), deur die versoekende Party gedra. Die bevoegde owerhede moet van tyd tot tyd oorleg pleeg met betrekking tot hierdie Artikel, en in die besonder moet die bevoegde owerheid van die versoekte Party vooraf met die bevoegde owerheid van die versoekende Party oorleg pleeg indien die koste van die verskaffing van inligting met betrekking tot 'n spesifieke versoek na verwagting beduidend sal wees.

ARTIKEL 9**PROSEDURE VIR ONDERLINGE OOREENKOMS**

1. Waar probleme of twyfel tussen die Partye ontstaan betreffende die uitvoering of vertolking van hierdie Ooreenkoms, moet die bevoegde owerhede alles in die werk stel om die aangeleentheid deur onderlinge ooreenkoms te besleg.
2. Bykomend tot die ooreenkomste in paragraaf 1 bedoel, kan die bevoegde owerhede van die Partye onderling ooreenkom oor die prosedures wat ingevolge Artikel 4, 5 en 8 gebruik moet word.
3. Die bevoegde owerhede van die Partye kan regstreeks met mekaar kommunikeer vir doeleindes van die bereiking van 'n ooreenkoms ingevolge hierdie Artikel.
4. Die Partye moet, indien nodig, oor ander vorme van geskilbeslegting ooreenkom.

ARTIKEL 10**INWERKINGTREDING**

Hierdie Ooreenkoms tree in werking 30 dae na ontvangs van skriftelike kennisgewing deur die laaste Party van afhandeling van alle regsformaliteite wat vir inwerkingtreding vereis word. Op die datum van inwerkingtreding is dit van toepassing:

- (a) op strafregtelike belastingaangeleenthede op daardie datum; en
- (b) op alle ander aangeleenthede wat op daardie datum in Artikel 1 gedek word, maar slegs ten opsigte van belasbare tydperke wat op of na daardie datum begin of, waar daar geen belasbare tydperk is nie, alle heffings op belasting wat op of na daardie datum ontstaan.

ARTIKEL 11**BEËINDIGING**

1. Hierdie Ooreenkoms bly van krag totdat dit deur enige van die Partye beëindig word.
2. Enige Party kan hierdie Ooreenkoms beëindig deur skriftelik kennis van beëindiging te gee. Sodanige beëindiging word van krag op die eerste dag van die maand ná verstryking van 'n tydperk van ses maande na die datum van ontvangs van kennis van beëindiging deur die ander Party. Alle versoeke wat tot op die effektiewe datum van beëindiging ontvang is, moet ooreenkomstig die bepalings van hierdie Ooreenkoms gehanteer word.
3. Indien die Ooreenkoms beëindig word, bly die Partye gebind deur die bepalings van Artikel 7 ten opsigte van enige inligting wat kragtens hierdie Ooreenkoms bekom is.

TEN BEWYSE WAARVAN die ondergetekendes, behoorlik daartoe gemagtig deur hulle onderskeie Regerings, hierdie Ooreenkoms in twee oorspronklike eksemplare in die Engelse taal, waarvan albei tekste ewe outentiek is, onderteken en geseël het.

GEDOEN te St Georges, Grenada op hede die 10^{de} dag van Desember 2014.

**VIR DIE REGERING VAN DIE
REPUBLIEK VAN SUID-AFRIKA**

**VIR DIE REGERING VAN
GRENADA**

DEPARTMENT OF WATER AND SANITATION

NO. 356

13 APRIL 2017

**NATIONAL WATER ACT, 1998
(ACT NO 36 OF 1998)****PROPOSED RESERVE DETERMINATION OF WATER RESOURCES FOR THE
OLIFANTS-DOORN CATCHMENTS**

I, Nomvula Paula Mokonyane, 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 Government Gazette No. 33541, 17 September 2010), and duly authorised in terms of section 16(1) of the Act, hereby publish, for public comment in accordance with section 16(3) of the Act, the proposed Reserve determination of water resources for catchments of the Olifants-Doorn, as set out in the Schedule to this Notice.

Any person who wishes to submit written comments with regard to the proposed Reserve determination should submit the comments within 60 days from the date of publication of this Notice to:

Director: Reserve Determination
Attention: Mr Yakeen Atwaru
Department of Water and Sanitation
Ndinaye Building 185 Francis Baard Street
Private Bag X313
Pretoria
0001

Email: atwaruy@dws.gov.za



MRS NP MOKONYANE
MINISTER OF WATER AND SANITATION
DATE: 31.01.2017

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

SCHEDULE

1. DESCRIPTION OF WATER RESOURCE

- 1.1 The Reserve is determined for all or part of every significant water resource within the catchments of the Olifants-Doorn as set out below:

Water Management Area:	Olifants-Doorn
Drainage Regions:	E Primary Drainage Region
Rivers:	Olifants -Doorn River System
Estuary:	Olifants

- 1.2 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.
- 1.3 The Minister, in terms of section 16(3) of the Act, proposes, for the purpose of section 16(1) of the Act, the following Reserves for the catchments of Olifants-Doorn.

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

A selected list of Acronyms and definitions set out under item 1.

A summary of the quantity component for the Rivers which include the EWR and the BHN in terms of section 16(1) of the Act for the Olifants-Doorn catchments is set out in Table 2.1.

A summary of the quality component for the River at EWR sites in terms of section 16(1) of the Act for the Olifants-Doorn catchments is set out in Table 3.1-3.6.

A summary of the EWR based on the natural flow contribution of the catchments upstream Olifants River Estuary in terms of section 16(1) of the Act for the Olifants-Doorn catchments is set out in Table 4.1-4.3.

A summary of the groundwater contribution to the Reserve for Water Quantity & Quality in terms of section 16(1) of the Act for the Olifants-Doorn catchments is set out in Table 5.1-6.2.

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.

1. ACRONYMS AND DEFINITIONS

1.1. Acronyms

BHN	Basic Human Needs
EcoSpecs	Ecological Specifications
EIS	Ecological Importance and Sensitivity
EWR	Ecological Water Requirement
GRAII	Groundwater Resource Assessment Phase II
GRDM	Groundwater Reserve Determination Methodology
GRUs	Groundwater Resource Units
MAR	Mean Annual Runoff
MCM	Million Cubic Metres
PES	Present Ecological Status
REC	Recommended Ecological Category
TEC	Target Ecological Category
TPCs	Thresholds of Potential Concern

1.2. Definitions

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

EWR refers to the flow patterns (magnitude, timing and duration) and water quality needed to maintain a riverine ecosystem in a particular condition.

Recharge 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.

Reserve 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.

2. SURFACE-WATER - QUANTITY COMPONENT FOR RIVERS

Proposed results for the Reserve determination and ecological categorisation for the Olifants-Doring River System, where the Reserve amounts are expressed as a percentage of the MAR for the respective catchments (cumulative) in terms of section (16)(1).

Table 2.1: Summary of the quantity component for the Rivers which include the EWR & BHN.

Quaternary catchment	Water Resource	PES	EIS	REC	Ecological reserve (cumulative) (% MAR)	Basic human needs Reserve (% MAR)	MAR (MCM)	Total Reserve (%MAR)
E10A	Olifants	C	High	C	43.58	0.00	60.475	43.58
E10B	Olifants	C	High	C	44.26	0.01	129.003	44.27
E10C	Olifants	B	Very high	B	51.09	0.00	182.405	51.09
E10D	Olifants	C	Moderate	D	52.38	0.00	233.767	52.38
E10E	Olifants	C	Moderate	D	37.77	0.4	293.467	38.17
E10F (EWR 1)	Olifants	D	Moderate	D	37.77	0.03	355.557	37.8
E10G	Olifants	C	Moderate	D	26.59	0.03	437.273	26.62
E10G (EWR 3)	Rondegat	B	Moderate	B	42.75	0.03	7.411	42.78
E10H	Jan Dissels	D	Moderate	C	19.70	0.00	44.686	19.70
E10J& E10J (Q7)	Olifants	D	Moderate	D	14.90*	0.154	46.205*	15.054
E10K (EWR 2)**	Olifants	E	Moderate	E	9.32	0.00	505.716	9.32
E21A	Kruis	E	Low	C	41.98	0.07	39.425	42.05
E21B	Welgemoed	D	Low	D	23.56	0.161	1.230	23.72
E21C	Winkelhaak	D	Low	C	19.48	0.00	41.939	19.48
E21D	Houdenbeks	D	Low	D	27.72	0.092	50.217	27.81
E21E	Riet	B	Low	B	29.13	0.008	93.772	29.14
E21F	Riet	A/B	Low	B	21.72	0.00	95.862	21.72
E21G	Groot/ Leeu	D	Low	D	38.55	0.04	55.220	38.59
E21H	Twee	A/B	Low	B	70.21*	0.00	55.055*	70.21
E21H	Leeu	A/B	Low	B	64.3	0.00	138.715	64.3
E21J (EWR	Groot	B	Low	B	50.65	0.00	140.463	50.65

Quaternary catchment	Water Resource	PES	EIS	REC	Ecological reserve (cumulative) (% MAR)	Basic human needs Reserve (% MAR)	MAR (MCM)	Total Reserve (%MAR)
E21K	Maatjies	B	Low	B	62.86	0.00	1.819	68.86
E21L	Groot	B	Low	B	50.02	0.00	239.220	50.02
E22A	Doring	A/B	Low	B	47.5	0.012	4.138	47.512
E22B	Doring	B	Low	B	43.1	0.002	7.66	43.10
E22C	Tankwa	C	Low	A/B	47.47	0.984	2.704	48.45
E22D	Tankwa	A/B	Low	A/B	31.93	0.027	5.44	31.957
E22E	Doring	B	Low	B	43.11	0.0004	18.688	43.11
E22F	Doring	B	Low	B	43.11	0.00	20.894	43.11
E22G	Doring	B	Very high	B	50.42	0.00	266.606	50.42
E23A	Tankwa	A/B	Low	A/B	32.42	0.00	8.001	32.42
E23B	Tankwa	A/B	Low	A/B	32.42	0.00	15.403	32.42
E23C	Tankwa	A/B	Low	A/B	32.42	0.00	3.339	32.42
E23D	Tankwa	A/B	Low	A/B	32.42	0.00	26.617	32.24
E23E	Tankwa	A/B	Low	A/B	32.42	0.00	5.922	32.24
E23F	Tankwa	C	Low	B	26.38	0.00	37.503	26.38
E23G	Ongeluks	A/B	Low	A/B	32.42	0.018	7.844	32.44
E23H	Ongeluks	A/B	Low	A/B	32.42	0.00	69.30	32.42
E23J	Ongeluks	A/B	Low	A/B	32.42	0.00	61.673	32.42
E23K	Tankwa	B	Low	B	26.38	0.00	105.182	26.38
E24A	Tra-tra	B	Low	B	73.6	0.316	4.523	73.92
E24B	Tra-tra	B	Low	B	63.19	0.0324	12.803	63.22
E24C	Bos	B	Low	C	32.55	0.00	13.855	32.55
E24D	Bos	C	Low	C	17.71	0.00	31.475	17.71
E24E	Wolf	A/B	Low	A/B	32.54	0.00	11.855	32.54
E24F	Wolf	A/B	Low	A/B	32.54	0.00	22.140	32.54
E24G	Wolf	A/B	Low	A/B	32.54	0.00	33.327	32.54
E24H (EWR 4)	Doring	A/B	High	B	44.99	0.0098	420.425	44.99

Quaternary catchment	Water Resource	PES	EIS	REC	Ecological reserve (cumulative) (% MAR)	Basic human needs Reserve (% MAR)	MAR (MCM)	Total Reserve (%MAR)
E24J	Doring	B	High	B	48.47	0.00	439.475	48.47
E24K(EWR 5)	Doring	A/B	High	B	48.47	0.00	450.996	48.47
E24L	Brandewyn (Doringmain stem)	B	High	B	50.29	0.00	508.227	50.29
E24M	Doring	B	High	B	50.33	0.00	517.577	50.33
E31A-Q2	Sa raip se Laagte	B	Moderate	B	26.12	0.00	3.091	26.12
E31B	Kromme	B	Moderate	B	25.66	0.00	0.978	25.66
E31C	Kromme	B	Moderate	B	25.66	0.00	2.012	25.66
E31D	Kromme	B	Moderate	B	25.66	0.00	2.556	25.66
E31E	Kromme	B	Moderate	B	25.66	0.00	2.880	25.66
E31F	Hantams	B	Moderate	B	25.62	7.654	0.324	33.27
E31G	Kromme	B	Moderate	B	25.65	0.00	0.814	25.65
E31H	Hantams	B	Moderate	B	25.65	0.00	4.506	25.65
E32A	Kromme	B	Moderate	B	17.30	0.00	0.681	17.30
E32B	Hantams	B	Moderate	B	26.23	0.00	7.018	26.23
E32C	Hantams	B	Moderate	B	26.23	0.00	9.320	26.23
E32D	Hantams	B	Moderate	B	26.22	0.00	11.544	26.22
E32E	Hantams	B	Moderate	B	26.22	0.00	15.148	26.22
E33A	Sout	B	Moderate	C	26.03	0.017	20.579	26.05
E33B	Sout	C	Moderate	C	17.40	0.00	21.273	17.40
E33C	Vars	D	Moderate	C	17.04	0.327	1.009	17.37
E33D	Geelbek	C	Moderate	C	17.09	0.00	1.590	17.09
E33E	Sout	C	Moderate	C	17.39	0.023	25.197	17.413
E33F-Q1	Troe-troe	D	Moderate	D	11.22	1.366	4.530	12.586
E33G	Olifants	D	Moderate	D	12.14	0.032	1028.771	12.172
E33H	Olifants	D	Moderate	D	12.97	0.0102	1054.724	12.98
E40A	Oorlogskloof	C	Moderate	C	41.51	0.00	16.631	41.51
E40B	Oorlogskloof	C	Moderate	C	41.53	0.387	29.125	41.92

Quaternary catchment	Water Resource	PES	EIS	REC	Ecological reserve (cumulative) (% MAR)	Basic human needs Reserve (% MAR)	MAR (MCM)	Total Reserve (%MAR)
E40C	Oorlogskloof	C	High	C	51.84	0.042	38.491	51.882
E40D	Koebee	C	High	B	56.69	0.00	48.104	56.69
F60A	Brak		Moderate	B	26.33	5.223	0.201	31.55
F60B	Klein-Goerap	B	Moderate	B	26.37	4.89	0.174	31.26
F60C	Sout	B	Moderate	B	26.97	0.789	0.519	27.76
F60D	Sout	B	Moderate	B	27.07	0.00	0.799	27.07
F60E	Groot-goerap	B	Moderate	B	25.38	1.018	0.055	26.40

Where: MAR is the Mean Annual Runoff

MCM is million cubic metres

*Incremental ecological requirement

**In terms of the RDM guidelines the Ecstatus Category should not be less than D (DWAf 1999)

3. SURFACE-WATER - QUALITY COMPONENT FOR RIVERS

Summary of the Quality component at EWR sites

Table 3.1. Ecospecs and TPCs for RU4-Olifants, as represented by EWR Site 1 (RU 4: CITRUSDAL TO CLANWILLIAM DAM)

DESCRIPTORS USED FOR ECOSPECS	TPCs
Water Quality	
<i>Salts</i>	
MgSO ₄ (mg/l)	>37
Na ₂ SO ₄ (mg/l)	>51
MgCl ₂ (mg/l)	>51
CaCl ₂	>105
NaCl (mg/l)	>389
Water temperature	Not specified.
pH	<6.5 – >9.0
EC (mS/m)	>15
DO (mg/l)	< 6.0
<i>Toxics</i>	
Ammonia as NH ₃ (mg/l)	>0.007
<i>Nutrients</i>	
Nitrates as N (mg/l)	>0.100
Phosphorous as PO ₄ -P(mg/l)	>0.020
Aquatic Invertebrates	
SASS5 Score	<100
ASPT	<7.5
Ephemeroptera: Baetidae	Fewer than 4 species present overall at site
Ephemeroptera: Leptophlebiidae	Absent from > 50% of samples
Ephemeroptera: Heptageniidae	Absent from SIC/SOC biotope in summer
Coleoptera and Trichoptera	Fewer than 3 families present
Odonata	Fewer than 1 family present in any sample
Plecoptera: Notonemouridae	Absent from > 50% of samples in SIC
Aquatic vegetation and SIC	Absent

Table 3.2. Ecospecs and TPCs for RU6-Olifants, as represented by EWR Site 2 (RU 6: BULSHOEK BARRAGE TO THE CONFLUENCE WITH THE DORING RIVER)

DESCRIPTORS USED FOR ECOSPECS	TPCs
Water Quality	
<i>Salts</i>	
MgSO ₄ (mg/l)	>37
Na ₂ SO ₄ (mg/l)	>51
MgCl ₂ (mg/l)	>51
CaCl ₂	>105
NaCl (mg/l)	>389
Water temperature	Not specified
pH	<6.5 – >9.0
EC (mS/m)	>25
DO (mg/l)	< 6.0
<i>Toxics</i>	
Ammonia as NH ₃ (mg/l)	>0.007
<i>Nutrients</i>	
Nitrates as N (mg/l)	>0.100
Phosphorous as PO ₄ -P (mg/l)	>0.015
Aquatic Invertebrates	
SASS5 Score	< 30
ASPT	< 4.5
Ephemeroptera: Baetidae	Absent from > 50% of samples
Hemiptera and Odonata	Fewer than two families from each order

Table 3.3. RONDEGAT RIVER - EWR SITE 3.

DESCRIPTORS USED FOR ECOSPECS	TPCs
Water Quality	
<i>Salts</i>	
MgSO ₄ (mg/l)	>23
Na ₂ SO ₄ (mg/l)	>33
MgCl ₂ (mg/l)	>30
CaCl ₂	>57
NaCl (mg/l)	>191
Water temperature	Not specified (no identified temperature dependencies for biota in this reach)
pH	<5.2 or >7.0
EC (mS/m)	>10
DO (mg/l)	< 6.0
<i>Toxics</i>	
Ammonia as NH ₃ (mg/l)	>0.007
<i>Nutrients</i>	
Nitrates as N (mg/l)	>0.020
Phosphorous as PO ₄ -P (mg/l)	>0.010
Aquatic Invertebrates	
SASS5 Score	< 170
ASPT	< 7.5
Ephemeroptera: Baetidae	Fewer than 7 species present overall at site (all biotopes combined)

DESCRIPTORS USED FOR ECOSPECS	TPCs
<i>Demoreptus capensis</i>	Absent in summer
Trichoptera	Fewer than 5 species present overall at site, representing at least two of the following families: Barbarochthonidae, Leptoceridae, Petrothrincidae, Sericostomatidae
Ephemeroptera: Leptophlebiidae	Present in less than 80% of samples (cumulative for site, taken over time)
Ephemeroptera: Heptageniidae	Fewer than Baetidae in summer samples
Coleoptera	Fewer than 3 families present
Blephariceridae and Notonemouridae	Absent in winter
Aquatic Vegetation (in and out of current); Submerged Vegetation; SIC	Habitats absent

Table 3.4. Ecospeccs and TPCs for the RU4-Doring River, as represented by EWR Site 4. (RU 4: TANKWA/DORING RIVER CONFLUENCE TO DORINGBOS)

DESCRIPTORS USED FOR ECOSPECS	TPCs
Water Quality	
<i>Salts</i>	
MgSO ₄ (mg/l)	<23
Na ₂ SO ₄ (mg/l)	<33
MgCl ₂ (mg/l)	<30
CaCl ₂	<57
NaCl (mg/l)	<191
Water temperature	Adult fish: maximum daily mean = 40 °C (all year). Spawning: Minimum = 19 °C, ideal = 25-28 °C (November to January).
pH	6.5 – 8.5
EC (mS/m)	<20
DO (mg/l)	> 6.0
<i>Toxics</i>	
Ammonia as NH ₃ (mg/l)	<0.007
<i>Nutrients</i>	
Nitrates as N (mg/l)	<0.020
Phosphorous as PO ₄ -P (mg/l)	<0.020
Aquatic Invertebrates	
SASS5 Score	< 125
ASPT	< 6
Trichoptera: Ecnomidae, Philopotamidae (winter), Hydropsychidae, Hydroptilidae	Fewer than two taxa present
Ephemeroptera: Leptophlebiidae	Absent from > 20% of samples
Diptera: Simuliidae	Absent from > 50% of SIC samples
Aquatic Vegetation (out of current); Submerged Vegetation; SIC	Absent

Table 3.5. Ecospecs and TPCs for the RU5-Doring River, as represented by EWR Site 5. (RU 5: DORINGBOS TO OLIFANTS/DORING CONFLUENCE)

DESCRIPTORS USED FOR ECOSPECS	TPCs
Water Quality	
<i>Salts</i>	
MgSO ₄ (mg/l)	> 23
Na ₂ SO ₄ (mg/l)	> 33
MgCl ₂ (mg/l)	> 30
CaCl ₂	> 57
NaCl (mg/l)	> 191
Water temperature	Adult fish: maximum daily mean = 40°C (all year). Spawning: Minimum = 19°C, ideal = 25-28°C (November to January).
pH	< 6.5 or > 8.5
EC (mS/m)	> 50
DO (mg/l)	< 6.0
<i>Toxics</i>	
Ammonia as NH ₃ (mg/l)	> 0.007
<i>Nutrients</i>	
Nitrates as N (mg/l)	> 0.020
Phosphorous as PO ₄ -P (mg/l)	> 0.020
Aquatic Invertebrates	
SASS5 Score	< 125
ASPT	< 6
Trichoptera: Ecnomidae, Philopotamidae (winter), Hydropsychidae, Hydroptilidae	Fewer than two taxa present
Ephemeroptera: Leptophlebiidae	Absent from > 20% of samples (cumulative for site, taken over time)
Diptera: Simuliidae	Absent from > 50% of SIC samples
Aquatic Vegetation (out of current); Submerged Vegetation; SIC	Habitats absent

Table 3.6. Ecospecs and TPCs for the RU2-Groot River, as represented by EWR Site 6. (RU 2: GROOT RIVER GORGE)

DESCRIPTORS USED FOR ECOSPECS	TPCs
Water Quality	
<i>Salts</i>	
MgSO ₄ (mg/l)	> 23
Na ₂ SO ₄ (mg/l)	> 33
MgCl ₂ (mg/l)	> 30
CaCl ₂	> 57
NaCl (mg/l)	> 191
Water temperature	Adult fish: maximum daily mean = 40°C (all year). Spawning: Minimum = 19°C, ideal = 25-28°C (November to January).
pH	< 6.5 OR > 8.5
EC (mg/l)	> 20
DO (mg/l)	< 6.0
<i>Toxics</i>	

DESCRIPTORS USED FOR ECOSPECS	TPCs
Ammonia as NH_3 (mg/l)	> 0.007
<i>Nutrients</i>	
Nitrates as N (mg/l)	> 0.020
Phosphorous as $\text{PO}_4\text{-P}$ (mg/l)	> 0.020
Aquatic Invertebrates	
SASS5 Score	< 170
ASPT	< 7.5
Trichoptera: Ecnomidae, Philopotamidae (winter), Hydropsychidae, Hydroptilidae	At least 3 families of cased caddis present overall at site, with at least two of the following families: - Ecnomidae - Leptoceridae - Philopotamidae - Sericostomatidae
Ephemeroptera: Leptophlebiidae	Absent from > 10% of samples
Ephemeroptera: Heptageniidae	Absent from > 20% of samples
Megaloptera: Corydalidae	Absent from > 40% of samples
Coleoptera	< 3 families
Stones-in-current, including fast-flowing, turbulent riffle and run	Absent

4. Estuary component

Geographical boundaries of the Olifants Estuary

Downstream boundary: Estuary mouth (31° 42.00'S; 18°11.34'E).
 Upstream boundary: Extent of tidal influence, i.e. the causeway at Lutzville - about 36 km from the mouth (31°33.80'S; 18°19.78'E).
 Lateral boundaries: 5 m contour above Mean Sea Level (MSL) along each bank.

Table 4.1. The ecological water requirements of the Olifants Estuary.

Quaternary catchment	Water Resource	PES	EIS	REC	Ecological reserve (% MAR)	MAR (MCM)	Total Reserve (%MAR)
E33H Estuary	Olifants	C	Very high	B	56	1055	56

QUANTIFICATION OF ESTUARINE ECOLOGICAL RESERVE

RECOMMENDED ECOLOGICAL FLOW REQUIREMENT

The Olifants Estuary has been targeted as a Desired Protected Area (DWAF, 2004). According to the guidelines for assigning a recommended REC the estuary, therefore needs to be in a Category A or the Best Attainable State (BAS). However, with large dam developments already existing in the catchment (e.g. Clanwilliam Dam) it will be difficult to improve the Olifants Estuary to a Category of A. It is therefore recommended that the Olifants Estuary be improved to the minimum REC for a 'Highly Important estuary', namely a **Category B. Scenario 2**, i.e. the Present inflow scenario plus the Ecological Water Requirement releases of the River (MAR = $800.3 \times 10^6 \text{ m}^3$) is selected as the recommended Ecological Flow Requirement Scenario for the Olifants Estuary. The flow distributions are summarised below:

Table 4.2. Flow distribution for Scenario 2.

Percentiles	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
99%ile	48.13	32.08	21.50	37.21	24.46	7.77	96.73	194.20	550.92	472.06	230.02	153.70
90%ile	28.90	9.60	7.24	3.64	3.76	3.85	9.62	80.90	151.71	159.08	126.25	65.58
80%ile	16.05	4.30	2.06	1.75	1.68	2.21	4.85	22.01	93.83	104.19	79.44	48.08
70%ile	12.84	2.93	1.68	1.55	1.38	1.81	3.07	11.18	57.99	78.10	66.22	34.22
60%ile	11.49	2.93	1.51	1.51	1.37	1.46	2.88	8.24	42.45	58.26	50.45	25.66
50%ile	10.11	2.93	1.50	1.51	1.34	1.42	2.84	6.19	37.99	51.82	47.54	22.18
40%ile	9.01	2.49	1.50	1.51	1.34	1.42	2.49	3.57	36.22	39.92	44.77	16.34
30%ile	8.32	1.51	1.50	1.51	1.34	1.42	1.76	3.42	24.20	30.79	33.23	14.73
20%ile	6.36	1.43	1.18	1.51	0.91	1.11	1.41	2.05	15.78	21.17	28.07	11.21
10%ile	4.02	0.83	0.58	0.99	0.85	1.00	1.28	1.15	7.44	9.49	17.41	9.66
1%ile	1.01	0.15	0.00	0.99	0.34	0.00	0.04	0.29	0.82	2.07	5.35	4.04

ECOLOGICAL SPECIFICATIONS

Ecological Specifications are clear and measurable specifications of ecological attributes (in the case of estuaries - hydrodynamics, sediment dynamics, water quality and different biotic components) that define a specific ecological reserve category, in the case of the Olifants Estuary for a **Category B**. Thresholds of potential concern (TPC) are defined as measurable end points related to specific abiotic or biotic indicators that if reached (or when modelling predicts that such points will be reached) prompts management action.

Table 4.3. The ecological specifications and associated TPCs

COMPONENT	ECOLOGICAL SPECIFICATION/	THRESHOLD OF POTENTIAL CONCERN
Birds	Retain the species richness, abundance and diversity of the bird community, representative of resident and migrant waders, wading birds and water fowl as under the Present State, except for that there would be an higher abundance of water fowl (increasing by about 10% from Present State numbers)	1.1 Community composition or bird numbers deviates by more than 50% of average seasonal baseline counts for two consecutive summer or winter seasons, focusing on waders, wading birds, terns & water fowl (summer and winter), and specifically red data species which are supported by the system (e.g. Pelican, Oyster catchers, Chestnut banded plover) 1.2 In the case of water fowl densities decline by 20% of average seasonal baseline counts for two consecutive summer or winter seasons
Fish	Retain the following fish assemblages in the estuary: estuarine species (35%), partially estuarine dependent species (50-60%), obligate estuarine dependent (e.g. white steenbras) (>1%) and indigenous freshwater species (>1%). Exotic freshwater species (<0.5%)	2.1 Level of estuarine species drop below 30% of total abundance 2.2 Levels of obligate estuarine dependent species drop below 1% of total abundance 2.3 Levels of partially estuarine dependent species drop below 50% or above 60% of total abundance 2.4 Levels of exotic freshwater species above 0.5% (e.g. Mozambique tilapia out-competing resident species) 2.5 Benthic dwellers species drop below 2% of total abundance in estuary above 18 km from the mouth
	Maintain recruitment of adult and juvenile fish at Reference Condition levels. This requires maintaining sufficient flow for freshwater plume (temperature, salinity and oliphactory gradient) entering the sea. This implies that there should be a significant number of 0 -1 year old fish and no missing year classes.	2.6 There are a missing year class within a species

COMPONENT	ECOLOGICAL SPECIFICATION/	THRESHOLD OF POTENTIAL CONCERN
Invertebrates	Retain Present State species richness and mix (low species abundance, high dominance). However, under the present state one or two species are always present at high densities compared to others (e.g. <i>Pseudodiaptomus hessei</i> & <i>Ceratonereis keiskama</i>). For a B Category the higher densities need to be more variable in abundance during the year.	3.1 Species richness is greater than 30 for zooplankton and macroinvertebrates respectively (50% increase)
	Indicator species such as <i>Capitella capitata</i> , should not dominate benthic species at any site	3.2 <i>Capitella capitata</i> exceeds 50% abundance of benthic species at any site
	<i>Calianassa</i> and <i>Upogebia</i> distribution patterns as under Present State	3.3 Abundance levels or areas of distribution decreases by more than 50% (mainly lower sandy reaches)
Macrophytes	Maintain the present distribution (summer 2004) and abundance of the different plant community types (<i>Zostera capensis</i> (48 ha), intertidal salt marsh (92 ha), supratidal salt marsh (143 ha), floodplain salt marsh (797 ha), reeds and sedges (60 ha))	4.1 Greater than 20% change in the area covered by different plant community types
	Reduce the areas covered by water weeds in the upper reaches by 50% compared to the Present State (summer 2004). Therefore area covered by invasive waterweeds (<i>Azolla filiculoides</i>), nuisance filamentous algae (e.g. <i>Enteromorpha</i> , <i>Ulva</i> , <i>Cladophora</i>) and pondweed (<i>Potamogeton pectinatus</i>) should be 30 ha (half of channel)	4.2 Upper 15 km of estuary with greater than 50% of estuary water channel covered by invasive waterweeds (<i>Azolla filiculoides</i>), nuisance filamentous algae (e.g. <i>Enteromorpha</i> , <i>Ulva</i> , <i>Cladophora</i>) and pondweed (<i>Potamogeton pectinatus</i>).
	Control the spread of invasive aliens in the riparian zone (e.g. <i>Sesbania punicea</i> and <i>Eucalyptus</i> spp.).	4.3 Greater than 20 % increase in area covered by invasive plants.
	Maintain reed and sedge areas (60 ha) and brackish salt marsh (~10 ha) as for the Present State (summer 2004) (by preventing salinity of 20 ppt to move further upstream than 8.5 km and remain there for greater than 3 months).	4.4 Dieback of reeds and brackish salt marsh at 8.5 km and further upstream from the mouth.
	Prevent an increase in bareground in the floodplain salt marsh by maintaining groundwater salinity at <70 ppt and depth to the water table at < 1.5 m	4.5 Greater than 20% increase in bare ground in salt marsh.

COMPONENT	ECOLOGICAL SPECIFICATION/	THRESHOLD OF POTENTIAL CONCERN
Microalgae	Maintain a low phytoplankton biomass with a small REI (i.e. 10 ppt to river +1 ppt) zone	5.1 Phytoplankton biomass exceeds 15 µg/l chlorophyll a in summer and 10 µg/l chlorophyll a in winter
	Maintain microalgal group diversity as measured under Present State (2004)	5.2 Blue-green algae exceeds 10% of phytoplankton cell counts 5.3 Flagellates cease to be the dominant group and diatoms become less diverse (<10 taxa per site)
	Maintain intertidal and subtidal microphytobenthic biomass as measured under Present State (2004).	5.4 Benthic microphytobenthic biomass exceeds 40 mg/m ² chlorophyll a
	Maintain a low frequency of dinoflagellates	5.5 The frequency of dinoflagellates exceeds 5% of the total phytoplankton counts
Water quality	Salinity intrusion should not to cause exceedence of TPCs for fish, invertebrates, macrophytes and microalgae (see above)	6.1 Salinity greater than 20 ppt for greater than 3 months at 7 km upstream from the mouth (brackish saltmarsh, reeds and sedges & invertebrates)
		6.2 Salinity of groundwater increases to 50 ppt and depth to water table to 1 m. (flood plain salt marsh)
		6.3 Total dissolved solids (measure of 'salinity') of river inflow exceeds 3500 mg/l (phytoplankton)
		6.4 Salinity in estuary exceeds 35 ppt (prevent hyper-salinity) (for phytoplankton)
		6.5 Salinity greater than 10 ppt occurs above 16 km upstream of the mouth (for fish)
	System variables (Temperature, pH, turbidity, dissolved oxygen, suspended solids and turbidity) not to cause exceedence of TPCs for biota (see above)	6.6 River inflow: Summer temp < 20°C pH < 6.5 'Turbid' river inflow (to be determined) Dissolved oxygen < 4 mg/l
		6.7 Secchi disc reading above 8 km from the mouth is greater than 1 m (used as a proxy for turbidity concentrations in estuary)
		6.8 pH > 8.5 or < 6.5 in river inflow or in estuary
		6.9 Water column DO drops below 4 mg/l (1 m above bottom except in deep holes) (need to investigate DO level at night in dense macrophyte beds)

COMPONENT	ECOLOGICAL SPECIFICATION/	THRESHOLD OF POTENTIAL CONCERN
	Inorganic nutrient concentrations not to cause exceedance of TPCs for macrophytes and microalgae (see above).	6.10 When average river inflow is less than 5 m³/s and average DIN concentrations exceed 100 µg/l in river inflow and average DIN concentrations in the upper reaches of the estuary (above 16 km from mouth) exceed 100 µg/l. 6.11 During high flow season (flows > 20 m³/s) average DIN concentrations exceed 500 µg/l in river inflow and average DIN concentrations in the upper reaches of the estuary (above 16 km from mouth) exceed 500 µg/l 6.12 Average DRP concentrations exceed 100 µg/l in river inflow and average DRP concentrations in the upper reaches of the estuary (above 16 km from mouth) exceed 100 µg/l.
	Presence of toxic substances not to cause exceedance of TPCs for biota (see above).	6.13 For pesticides/herbicides baseline studies still need to be undertaken before TPCs can be set (special concern in upper reaches with extensive agricultural activities along banks of estuary)
Hydrodynamics	Maintain a flow regime to create the required habitat for birds, fish, macrophytes, microalgae and water quality	7.1 River inflow distribution patterns differ by more than 5% from that of Scenario 2 (i.e. recommended flow scenario for the Olifants) 7.2 River inflow decreases to below 1.5 m³/s at any time 7.3 River inflow below 2 m³/s persists for longer than 4 months
Sediment dynamics	Flood regime to maintain the sediment distribution patterns and aquatic habitat (instream physical habitat) so as not to exceed TPCs for biota (see above)	8.1 River inflow distribution patterns (flood components) differ by more than 10% (in terms of magnitude, timing and variability) from that of the Present State (2004) 8.2 Suspended sediment concentration from river inflow deviates by more than 10% of the sediment load discharge relationship to be determine as part of baseline studies (Present State 2004)

COMPONENT	ECOLOGICAL SPECIFICATION/	THRESHOLD OF POTENTIAL CONCERN
	Changes in sediment grain size distribution patterns not to cause exceedance of TPCs in benthic invertebrates (see above).	8.3 The median bed sediment diameter deviates by more than a factor of two from levels to be determined as part of baseline studies (Present State). 8.4 Sand/mud distribution in middle reaches (8-20 km) change by more than 20% from Present State (2004) 8.5 Changes in the channel bathymetry in the upper reaches (above 20 km upstream of the mouth) change by more than 20% from Present State (2004) 8.6 Changes in tidal amplitude below the Lutzville causeway of more than 20% from Present State (2004)

5. GROUNDWATER - QUANTITY COMPONENT

Groundwater recharge is an important component of hydrogeological characterisation as it has a major influence on groundwater quantity (especially if aquifer transmissivity and storage is favourable) and groundwater quality. Across the Olifants-Doom WMA groundwater recharge ranges from 0 mm/a to 245 mm/a. The highest groundwater recharge occurs in the Upper Olifants sub-area, especially in the Winterhoek mountain area. Significant recharge also occurs in the Koue Bokkeveld, eastern Doring, and eastern Sandveld sub-areas. For the remaining areas groundwater recharge is quite limited.

The basic human needs Reserve provides for the essential needs of individuals served by the water resource in question and includes water for drinking, food preparation and for personal hygiene. A life-line amount of 25 litres per person per day was used. A summary of the groundwater quantity aspects in terms of BHN and EWR per quaternary is provided in Table 4.1.

Table 5.1: Groundwater Reserve Determination Results – Quantity Component.

Quaternary catchment	Area (km ²)	Recharge (Mm ³ /a) ¹⁾	Population ²⁾	EWR (Mm ³ /a)	BHN (Mm ³ /a)	Total Reserve (Mm ³ /a)
E10A	134	30.12	0	5.44	0	5.44
E10B	202	37.17	1523	6.78	0.013	6.79
E10C	192	24.79	0	5.66	0	5.66
E10D	235	24.35	0	5.74	0	5.74
E10E	366	30.67	15 627	7.35	0.143	7.49
E10F	386	28.28	1184	5.13	0.011	5.14

Quaternary catchment	Area (km ²)	Recharge (Mm ³ /a) ¹⁾	Population ²⁾	EWR (Mm ³ /a)	BHN (Mm ³ /a)	Total Reserve (Mm ³ /a)
E10G	508	26.88	1799	4.21	0.016	4.23
E10H	162	9.62	0	1.51	0	1.51
E10J	468	19.32	7797	1.63	0.071	1.70
E10K	235	6.67	0	0.36	0.0	0.36
E21A	190	14.14	2818	1.48	0.026	1.51
E21B	223	8.87	217	0.01	0.002	0.01
E21C	233	8.7	0	0.07	0	0.07
E21D	242	18.21	5024	1.88	0.046	1.93
E21E	293	8.44	797	0.09	0.007	0.10
E21F	379	8.76	0	0.15	0	0.15
E21G	266	18.95	2458	2.07	0.022	2.09
E21H	404	31.2	0	16.66	0	16.66
E21J	317	16.07	0	0.32	0	0.32
E21K	330	11.62	0	0.18	0	0.18

Quaternary catchment	Area (km ²)	Recharge (Mm ³ /a) ¹⁾	Population ²⁾	EWR (Mm ³ /a)	BHN (Mm ³ /a)	Total Reserve (Mm ³ /a)
E21L	195	2.53	0	0.14	0	0.14
E22A	750	7.53	553	0.39	0.005	0.40
E22B	638	6.33	86	0.43	0.001	0.43
E22C	490	4.43	2919	0.33	0.027	0.36
E22D	496	4.21	16	0.26	0	0.26
E22E	1013	9.85	8	1.78	0	1.78
E22F	400	1.3	0	0.21	0	0.21
E22G	367	1.27	0	0.43	0	0.43
E23A	762	5.81	0	1.05	0	1.05
E23B	705	5.08	0	0.97	0	0.97
E23C	318	2.03	0	0.44	0	0.44
E23D	750	3.29	0	1.03	0	1.03
E23E	564	2.99	0	0.6	0	0.60
E23F	473	0.95	0	0.51	0	0.51
E23G	747	2.84	152	0.8	0.001	0.80
E23H	660	2.71	0	0.91	0	0.91
E23J	895	1.87	0	0.96	0	0.96
E23K	572	1.08	0	0.61	0	0.61
E24A	255	6.01	1568	0.47	0.014	0.48
E24B	468	5.09	455	0.86	0.004	0.86
E24C	784	3.68	0	0.75	0	0.75
E24D	997	1.77	0	0.96	0	0.96
E24E	671	2.74	0	1.58	0	1.58
E24F	582	2.23	0	1.07	0	1.07
E24G	633	2.2	0	1.16	0	1.16
E24H	483	0.92	0	0.56	0.004	0.56
E24J	1078	5.13	0	1.24	0	1.24
E24K	652	3.22	0	0.75	0	0.75
E24L	516	9.01	0	1.01	0	1.01

Quaternary catchment	Area (km ²)	Recharge (Mm ³ /a) ¹⁾	Population ²⁾	EWR (Mm ³ /a)	BHN (Mm ³ /a)	Total Reserve (Mm ³ /a)
E24M	529	8.41	0	0.71	0	0.71
E31A	2865	1.2	0	0.02	0	0.02
E31B	1476	2.23	0	0.09	0	0.09
E31C	1572	0.89	0	0.09	0	0.09
E31D	839	0.48	0	0.05	0	0.05
E31E	478	0.38	0	0.03	0	0.03
E31F	525	0.92	2716	0.03	0.025	0.05
E31G	1238	0.68	0	0.07	0	0.07
E31H	726	1.09	0	0.04	0	0.04
E32A	1118	4.63	0	0.4	0	0.40
E32B	828	1.52	0	0.3	0	0.30
E32C	638	2.9	0	0.23	0	0.23
E32D	616	1.08	0	0.22	0	0.22
E32E	1001	3.86	0	0.36	0	0.36
E33A	1355	1.84	394	0.08	0.004	0.08
E33B	702	0.8	0	0.06	0.0	0.06
E33C	980	1.37	366	0	0.003	0.00
E33D	1559	2.04	0	0.14	0	0.14
E33E	1282	1.59	632	0.06	0.006	0.07
E33F	725	15.87	7573	0.05	0.069	0.12
E33G	894	7.19	35 929	0	0.328	0.33
E33H	719	3.05	11 768	0.01	0.107	0.12
E40A	941	4.44	0	0.9	0	0.90
E40B	707	3.41	12 350	0.68	0.113	0.79
E40C	530	3.02	1771	0.11	0.016	0.13
E40D	544	3.09	0	1	0	1.00
F60A	572	0.43	116	0.02	0.001	0.02

Quaternary catchment	Area (km ²)	Recharge (Mm ³ /a) ¹⁾	Population ²⁾	EWR (Mm ³ /a)	BHN (Mm ³ /a)	Total Reserve (Mm ³ /a)
F60B	320	0.24	933	0.02	0.009	0.03
F60C	622	0.47	446	0.04	0.004	0.04

Quaternary catchment	Area (km ²)	Recharge (Mm ³ /a) ¹⁾	Population ²⁾	EWR (Mm ³ /a)	BHN (Mm ³ /a)	Total Reserve (Mm ³ /a)
F60D	481	0.36	0	0.03	0	0.03
F60E	795	0.6	61	0.01	0.001	0.01
G30A	761	11.87	14 135	0.82	0.129	0.95
G30B	658	16.85	4196	1.49	0.038	1.53
G30C	351	9.21	387	1.98	0.004	1.98
G30D	534	13.12	0	1.27	0	1.27
G30E	352	4.56	2291	0.6	0.021	0.62
G30F	780	14.23	2723	1.05	0.025	1.07
G30G	647	10.48	14 329	0.41	0.131	0.54
G30H	1077	15.9	6477	0.59	0.059	0.65

1) Recharge is extracted from The Classification of Significant Water Resources in the Olifants-Doom Water Management Area Final Technical Report.

2) Population data estimated from 2011 Census.

6. GROUNDWATER - QUALITY COMPONENT

The ambient groundwater quality was compared to the Class 1 recommended value (SANS 241:2006). The lowest or more conservative value of the two is selected. In instances where the ambient value is selected, it is increased by 10 per cent. In instances where the ambient quality, of geological origin exceeds the recommended value, the ambient water quality is used. These poor water quality areas will become exclusion zones in determining the Basic Human Needs Reserve Requirement. The groundwater quality must comply with the target water quality ranges as shown in Table 5.1. Table 5.2 shows a summary of the results for the quality aspects at quaternary level in terms of the BHN. Table 5.3 illustrates the groundwater quality class and parameters of concern for each quaternary catchment.

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Table 6.1: Classification for the assessment of the suitability of borehole water for portable use.

Constituent/Parameter	Target Water Quality Ranges ¹				
	Units	Class 0	Class I	Class II	Class III
Calcium as Ca	mg/l	0 - 80	80 - 150	150 - 300	> 300
Magnesium as Mg	mg/l	0 - 30	30 - 70	70 - 100	> 100
Sodium as Na	mg/l	0 - 100	100 - 200	200 - 400	> 400
Chloride as Cl	mg/l	0 - 100	100 - 200	200 - 600	> 600
Sulphate as SO ₄	mg/l	0 - 200	200 - 400	400 - 600	> 600
Nitrate as NO _x -N	mg/l	0 - 6	6 - 10	10 - 20	> 20
Flouride as F	mg/l	0 - 1	1 - 1.5	1.5 - 3.5	> 3.5
Faecal coliforms	counts/100ml	0	0 - 1	1 - 10	> 10
pH (pH Units)		6 - 9	5 - 6 & 9 - 9.5	4 - 5 & > 9.5 - 10	< 4 or > 10
Total Dissolved Solids	mg/l	0 - 450	450 - 1000	1000 - 2450	> 2450
Electrical Conductivity	mS/m	0 - 70	70 - 150	150 - 300	> 370

1) Ref: South African Water Quality Guidelines, Volume 1: Domestic Water Use, 2nd Ed. 1996. Department of Water Affairs and Forestry, 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 6.2: The results of the Groundwater Component – Quality Aspects

Chemical Parameter	Unit	Quaternary Catchments E10A and E10B			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		8	7.57	5.0 – 9.5	8.33
Electrical Conductivity	mS/m	8	20.2	<150	22.22
Calcium as Ca	mg/l	8	13.15	<150	14.47
Magnesium as Mg	mg/l	8	4.7	<100	5.17
Sodium as Na	mg/l	8	10.55	<200	11.61
Total Alkalinity as CaCO ₃	mg/l	8	33.65	N/A	37
Chloride as Cl	mg/l	8	17.8	<200	19.58
Sulphate as SO ₄	mg/l	8	6.55	<400	7.21
Nitrate as NO _x -N	mg/l	8	0.04	<10	0.04
Fluoride as F	Mg/l	8	0.14	<1.0	0.15
Chemical Parameter	Unit	Quaternary Catchment E10C			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		8	5.16	5.0 – 9.5	5.68
Electrical Conductivity	mS/m	8	7.15	<150	7.87
Calcium as Ca	mg/l	8	1.25	<150	1.38
Magnesium as Mg	mg/l	8	1.24	<100	1.36
Sodium as Na	mg/l	8	5.97	<200	6.57
Total Alkalinity as CaCO ₃	mg/l	8	4	N/A	4.4
Chloride as Cl	mg/l	8	14.5	<200	15.95
Sulphate as SO ₄	mg/l	8	3.25	<400	3.58
Nitrate as NO _x -N	mg/l	8	0.7	<10	0.77
Fluoride as F	Mg/l	8	0.05	<1.0	0.05

Chemical Parameter	Unit	Quaternary Catchment E10D			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		100	6.87	5.0 – 9.5	7.56
Electrical Conductivity	mS/m	100	9	<150	9.9
Calcium as Ca	mg/l	97	2.4	<150	2.64
Magnesium as Mg	mg/l	97	1.96	<100	2.16
Sodium as Na	mg/l	95	8.22	<200	9.04
Total Alkalinity as CaCO ₃	mg/l	97	10.55	N/A	11.61
Chloride as Cl	mg/l	96	16.44	<200	18.08
Sulphate as SO ₄	mg/l	97	2	<400	2.2
Nitrate as NO _x -N	mg/l	96	0.24	<10	0.26
Fluoride as F	Mg/l	94	0.11	<1.0	0.12
Chemical Parameter	Unit	Quaternary Catchment E10E			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		153	6.23	5.0 – 9.5	6.85
Electrical Conductivity	mS/m	152	11.32	<150	12.45
Calcium as Ca	mg/l	153	1.41	<150	1.55
Magnesium as Mg	mg/l	153	1.9	<100	2.09
Sodium as Na	mg/l	146	12.35	<200	13.58
Total Alkalinity as CaCO ₃	mg/l	153	5	N/A	5.5
Chloride as Cl	mg/l	153	23.7	<200	26.07
Sulphate as SO ₄	mg/l	153	2	<400	2.2
Nitrate as NO _x -N	mg/l	153	0.34	<10	0.37
Fluoride as F	Mg/l	148	0.05	<1.0	0.05

Chemical Parameter	Unit	Quaternary Catchment E10F			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		92	6.73	5.0 – 9.5	7.4
Electrical Conductivity	mS/m	92	16.01	<150	17.61
Calcium as Ca	mg/l	92	4.76	<150	5.24
Magnesium as Mg	mg/l	92	2.85	<100	3.14
Sodium as Na	mg/l	88	14	<200	15.4
Total Alkalinity as CaCO ₃	mg/l	92	15.58	N/A	17.14
Chloride as Cl	mg/l	92	27.31	<200	30.04
Sulphate as SO ₄	mg/l	92	4.31	<400	4.74
Nitrate as NO _x -N	mg/l	92	0.41	<10	0.45
Fluoride as F	Mg/l	90	0.1	<1.0	0.11
Chemical Parameter	Unit	Quaternary Catchment E10G			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		107	6.27	5.0 – 9.5	6.9
Electrical Conductivity	mS/m	105	16.9	<150	18.59
Calcium as Ca	mg/l	102	1.68	<150	1.85
Magnesium as Mg	mg/l	103	2.87	<100	3.16
Sodium as Na	mg/l	100	16.2	<200	17.82
Total Alkalinity as CaCO ₃	mg/l	103	4	N/A	4.4
Chloride as Cl	mg/l	104	28.95	<200	31.85
Sulphate as SO ₄	mg/l	104	2	<400	2.2
Nitrate as NO _x -N	mg/l	102	0.88	<10	0.97
Fluoride as F	Mg/l	99	0.05	<1.0	0.05

Chemical Parameter	Unit	Quaternary Catchment E10H			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		7	6.56	5.0 – 9.5	7.22
Electrical Conductivity	mS/m	7	19.6	<150	21.56
Calcium as Ca	mg/l	7	2.79	<150	3.07
Magnesium as Mg	mg/l	7	3.73	<100	4.1
Sodium as Na	mg/l	7	11.6	<200	12.76
Total Alkalinity as CaCO ₃	mg/l	7	4	N/A	4.4
Chloride as Cl	mg/l	7	47.22	<200	51.94
Sulphate as SO ₄	mg/l	7	2	<400	2.2
Nitrate as NO _x -N	mg/l	7	0.04	<10	0.04
Fluoride as F	Mg/l	7	0.05	<1.0	0.05
Chemical Parameter	Unit	Quaternary Catchment E10J			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		71	6.4	5.0 – 9.5	7.04
Electrical Conductivity	mS/m	71	50.4	<150	55.44
Calcium as Ca	mg/l	65	6.49	<150	7.14
Magnesium as Mg	mg/l	65	8.85	<100	9.74
Sodium as Na	mg/l	65	63	<200	69.3
Total Alkalinity as CaCO ₃	mg/l	67	6.2	N/A	6.82
Chloride as Cl	mg/l	66	112.96	<200	124.26
Sulphate as SO ₄	mg/l	66	13.95	<400	15.95
Nitrate as NO _x -N	mg/l	68	2.6	<10	2.86
Fluoride as F	Mg/l	64	0.15	<1.0	0.17

Chemical Parameter	Unit	Quaternary Catchment E10K			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		5	6.74	5.0 – 9.5	7.41
Electrical Conductivity	mS/m	5	175	<150	175
Calcium as Ca	mg/l	5	13.9	<150	15.29
Magnesium as Mg	mg/l	5	55.6	<100	61.16
Sodium as Na	mg/l	5	207	<200	207
Total Alkalinity as CaCO ₃	mg/l	5	2	N/A	2.2
Chloride as Cl	mg/l	5	471	<200	471
Sulphate as SO ₄	mg/l	5	30.3	<400	33.33
Nitrate as NO _x -N	mg/l	5	2.4	<10	2.64
Fluoride as F	Mg/l	5	0.14	<1.0	0.15
Chemical Parameter	Unit	Quaternary Catchment E21A			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		50	7.63	5.0 – 9.5	8.39
Electrical Conductivity	mS/m	50	24.1	<150	26.51
Calcium as Ca	mg/l	50	13.3	<150	14.63
Magnesium as Mg	mg/l	50	5.65	<100	6.22
Sodium as Na	mg/l	50	18.2	<200	20.02
Total Alkalinity as CaCO ₃	mg/l	50	35.6	N/A	39.16
Chloride as Cl	mg/l	50	37.25	<200	41
Sulphate as SO ₄	mg/l	50	12.25	<400	13.48
Nitrate as NO _x -N	mg/l	50	0.02	<10	0.02
Fluoride as F	Mg/l	50	0.11	<1.0	0.12

Chemical Parameter	Unit	Quaternary Catchment E21B			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		17	7.5	5.0 – 9.5	8.25
Electrical Conductivity	mS/m	17	89.2	<150	98.12
Calcium as Ca	mg/l	17	65.6	<150	72.16
Magnesium as Mg	mg/l	17	27	<100	29.7
Sodium as Na	mg/l	17	64.6	<200	71.06
Total Alkalinity as CaCO ₃	mg/l	17	76	N/A	83.6
Chloride as Cl	mg/l	17	150.3	<200	165.33
Sulphate as SO ₄	mg/l	17	99.1	<400	109.01
Nitrate as NO _x -N	mg/l	17	0.11	<10	0.12
Fluoride as F	Mg/l	17	0.22	<1.0	0.24
Chemical Parameter	Unit	Quaternary Catchment E21C			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		9	7.45	5.0 – 9.5	8.19
Electrical Conductivity	mS/m	9	13.7	<150	15.07
Calcium as Ca	mg/l	9	4.9	<150	5.39
Magnesium as Mg	mg/l	9	5	<100	5.5
Sodium as Na	mg/l	9	10	<200	11
Total Alkalinity as CaCO ₃	mg/l	9	15.3	N/A	16.83
Chloride as Cl	mg/l	9	23.3	<200	25.63
Sulphate as SO ₄	mg/l	9	6.7	<400	7.37
Nitrate as NO _x -N	mg/l	9	0.02	<10	0.02
Fluoride as F	Mg/l	9	0.1	<1.0	0.11

Chemical Parameter	Unit	Quaternary Catchment E21D			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		38	7.53	5.0 – 9.5	8.28
Electrical Conductivity	mS/m	38	21.85	<150	24.04
Calcium as Ca	mg/l	38	11.75	<150	12.93
Magnesium as Mg	mg/l	38	4.05	<100	4.46
Sodium as Na	mg/l	38	15.28	<200	16.08
Total Alkalinity as CaCO ₃	mg/l	38	31.75	N/A	34.93
Chloride as Cl	mg/l	38	26.08	<200	28.69
Sulphate as SO ₄	mg/l	38	5.8	<400	6.38
Nitrate as NO _x -N	mg/l	38	0.1	<10	0.11
Fluoride as F	Mg/l	38	0.05	<1.0	0.05
Chemical Parameter	Unit	Quaternary Catchments E21E, E21F, E21L & E22F			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		10	6.93	5.0 – 9.5	7.62
Electrical Conductivity	mS/m	10	12.5	<150	13.75
Calcium as Ca	mg/l	10	2.35	<150	2.59
Magnesium as Mg	mg/l	10	2.8	<100	3.08
Sodium as Na	mg/l	10	10.5	<200	11.55
Total Alkalinity as CaCO ₃	mg/l	10	7.55	N/A	8.31
Chloride as Cl	mg/l	10	16.95	<200	18.65
Sulphate as SO ₄	mg/l	10	6.3	<400	6.93
Nitrate as NO _x -N	mg/l	9	0.07	<10	0.07
Fluoride as F	Mg/l	10	0.15	<1.0	0.16

Chemical Parameter	Unit	Quaternary Catchment E21G			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		44	6.59	5.0 – 9.5	7.25
Electrical Conductivity	mS/m	43	104	<150	114.4
Calcium as Ca	mg/l	44	2.76	<150	3.04
Magnesium as Mg	mg/l	44	2.39	<100	2.63
Sodium as Na	mg/l	42	8.76	<200	9.64
Total Alkalinity as CaCO ₃	mg/l	44	8.64	N/A	9.5
Chloride as Cl	mg/l	44	14.64	<200	16.11
Sulphate as SO ₄	mg/l	44	6.06	<400	6.67
Nitrate as NO _x -N	mg/l	44	0.6	<10	0.66
Fluoride as F	Mg/l	42	0.1	<1.0	0.11
Chemical Parameter	Unit	Quaternary Catchment E21H			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		29	5.82	5.0 – 9.5	6.4
Electrical Conductivity	mS/m	29	3.1	<150	3.41
Calcium as Ca	mg/l	29	0.5	<150	0.55
Magnesium as Mg	mg/l	29	0.75	<100	0.83
Sodium as Na	mg/l	27	2.72	<200	3
Total Alkalinity as CaCO ₃	mg/l	29	4	N/A	4.4
Chloride as Cl	mg/l	27	5	<200	5.5
Sulphate as SO ₄	mg/l	29	2	<400	2.2
Nitrate as NO _x -N	mg/l	29	0.1	<10	0.11
Fluoride as F	Mg/l	27	0.05	<1.0	0.05

Chemical Parameter	Unit	Quaternary Catchment E21J			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		22	7.47	5.0 – 9.5	8.22
Electrical Conductivity	mS/m	22	18.19	<150	20
Calcium as Ca	mg/l	22	8.99	<150	9.9
Magnesium as Mg	mg/l	22	3.6	<100	3.96
Sodium as Na	mg/l	22	16.8	<200	17.93
Total Alkalinity as CaCO ₃	mg/l	22	26.86	N/A	29.55
Chloride as Cl	mg/l	22	30.59	<200	33.65
Sulphate as SO ₄	mg/l	22	9.78	<400	10.76
Nitrate as NO _x -N	mg/l	22	0.25	<10	0.28
Fluoride as F	Mg/l	21	0.12	<1.0	0.13
Chemical Parameter	Unit	Quaternary Catchment E21K			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		10	7.6	5.0 – 9.5	8.36
Electrical Conductivity	mS/m	10	20.15	<150	22.17
Calcium as Ca	mg/l	10	20.22	<150	22.24
Magnesium as Mg	mg/l	10	1.3	<100	1.43
Sodium as Na	mg/l	10	11.91	<200	13.1
Total Alkalinity as CaCO ₃	mg/l	10	80.86	N/A	88.95
Chloride as Cl	mg/l	10	6.5	<200	7.15
Sulphate as SO ₄	mg/l	10	4.7	<400	5.17
Nitrate as NO _x -N	mg/l	10	0.05	<10	0.05
Fluoride as F	Mg/l	10	0.17	<1.0	0.18

Chemical Parameter	Unit	Quaternary Catchment E22A			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		13	8.12	5.0 – 9.5	8.93
Electrical Conductivity	mS/m	13	171	<150	171
Calcium as Ca	mg/l	13	78.4	<150	86.24
Magnesium as Mg	mg/l	13	46.8	<100	51.48
Sodium as Na	mg/l	13	198.1	<200	198.1
Total Alkalinity as CaCO ₃	mg/l	13	271.4	N/A	271.4
Chloride as Cl	mg/l	13	345.1	<200	345.1
Sulphate as SO ₄	mg/l	13	109.5	<400	120.45
Nitrate as NO _x -N	mg/l	13	0.29	<10	0.32
Fluoride as F	Mg/l	13	0.98	<1.0	0.98
Chemical Parameter	Unit	Quaternary Catchment E22B			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		10	7.82	5.0 – 9.5	8.6
Electrical Conductivity	mS/m	10	278.7	<150	278.7
Calcium as Ca	mg/l	10	127	<150	136.7
Magnesium as Mg	mg/l	10	67.9	<100	74.69
Sodium as Na	mg/l	10	271.8	<200	271.8
Total Alkalinity as CaCO ₃	mg/l	10	225.35	N/A	225.35
Chloride as Cl	mg/l	10	614.55	<200	614.55
Sulphate as SO ₄	mg/l	10	197.75	<400	217.53
Nitrate as NO _x -N	mg/l	10	0.6	<10	0.66
Fluoride as F	Mg/l	10	0.9	<1.0	0.9

Chemical Parameter	Unit	Quaternary Catchment E22C			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		13	7.69	5.0 – 9.5	8.46
Electrical Conductivity	mS/m	13	64.9	<150	71.39
Calcium as Ca	mg/l	13	39	<150	42.9
Magnesium as Mg	mg/l	13	15	<100	16.5
Sodium as Na	mg/l	13	50.3	<200	55.33
Total Alkalinity as CaCO ₃	mg/l	13	93.6	N/A	102.96
Chloride as Cl	mg/l	13	77.2	<200	84.92
Sulphate as SO ₄	mg/l	13	42.1	<400	46.31
Nitrate as NO _x -N	mg/l	13	0.08	<10	0.08
Fluoride as F	Mg/l	13	0.2	<1.0	0.22
Chemical Parameter	Unit	Quaternary Catchment E22D			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		6	7.97	5.0 – 9.5	8.77
Electrical Conductivity	mS/m	6	548	<150	548
Calcium as Ca	mg/l	6	161.05	<150	161.05
Magnesium as Mg	mg/l	6	203.55	<100	203.55
Sodium as Na	mg/l	6	634.9	<200	634.9
Total Alkalinity as CaCO ₃	mg/l	6	186.3	N/A	186.3
Chloride as Cl	mg/l	6	1624.45	<200	1624.45
Sulphate as SO ₄	mg/l	6	437.9	<400	437.9
Nitrate as NO _x -N	mg/l	6	1.13	<10	1.24
Fluoride as F	Mg/l	6	1	<1.0	1

Chemical Parameter	Unit	Quaternary Catchments E22E, E22G & E23A-E23D			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		12	7.92	5.0 – 9.5	8.71
Electrical Conductivity	mS/m	12	129.15	<150	142.07
Calcium as Ca	mg/l	12	61.8	<150	67.98
Magnesium as Mg	mg/l	12	23.65	<100	26.02
Sodium as Na	mg/l	12	186.53	<200	186.53
Total Alkalinity as CaCO ₃	mg/l	12	170	N/A	187
Chloride as Cl	mg/l	12	299.95	<200	299.95
Sulphate as SO ₄	mg/l	12	49.1	<400	54.01
Nitrate as NO _x -N	mg/l	12	0.05	<10	0.05
Fluoride as F	Mg/l	12	0.63	<1.0	0.69
Chemical Parameter	Unit	Quaternary Catchment E23E-E23H, E23J			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		3	8.37	5.0 – 9.5	9.21
Electrical Conductivity	mS/m	3	185.00	<150	185.00
Calcium as Ca	mg/l	3	25.90	<150	28.49
Magnesium as Mg	mg/l	3	4.80	<100	5.28
Sodium as Na	mg/l	3	414.10	<200	414.10
Total Alkalinity as CaCO ₃	mg/l	3	285.60	N/A	314.16
Chloride as Cl	mg/l	3	344.70	<200	344.70
Sulphate as SO ₄	mg/l	3	88.80	<400	97.68
Nitrate as NO _x -N	mg/l	3	0.02	<10	0.02
Fluoride as F	mg/l	3	2.77	<1.0	3.05

Chemical Parameter	Unit	Quaternary Catchment E23K			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		14	8.55	5.0 – 9.5	9.40
Electrical Conductivity	mS/m	14	177.50	<150	177.50
Calcium as Ca	mg/l	14	9.70	<150	10.67
Magnesium as Mg	mg/l	14	4.75	<100	5.23
Sodium as Na	mg/l	14	357.00	<200	357.00
Total Alkalinity as CaCO ₃	mg/l	14	220.35	N/A	242.39
Chloride as Cl	mg/l	14	416.75	<200	416.75
Sulphate as SO ₄	mg/l	14	28.80	<400	31.68
Nitrate as NO _x -N	mg/l	14	0.11	<10	0.12
Fluoride as F	mg/l	14	1.04	<1.0	1.04
Chemical Parameter	Unit	Quaternary Catchments E24C-E24D			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		7	8.19	5.0 – 9.5	9.01
Electrical Conductivity	mS/m	7	96.00	<150	105.60
Calcium as Ca	mg/l	7	7.00	<150	7.70
Magnesium as Mg	mg/l	7	2.00	<100	2.20
Sodium as Na	mg/l	7	240.30	<200	240.30
Total Alkalinity as CaCO ₃	mg/l	7	331.60	N/A	364.76
Chloride as Cl	mg/l	7	129.00	<200	141.90
Sulphate as SO ₄	mg/l	7	11.97	<400	13.17
Nitrate as NO _x -N	mg/l	7	0.04	<10	0.04
Fluoride as F	mg/l	7	2.98	<1.0	2.98

Chemical Parameter	Unit	Quaternary Catchment E24E			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		8	7.99	5.0 – 9.5	8.78
Electrical Conductivity	mS/m	8	227.65	<150	227.65
Calcium as Ca	mg/l	8	143.25	<150	157.58
Magnesium as Mg	mg/l	8	106.05	<100	106.05
Sodium as Na	mg/l	8	201.55	<200	201.55
Total Alkalinity as CaCO ₃	mg/l	8	191.65	N/A	210.82
Chloride as Cl	mg/l	8	268.40	<200	268.40
Sulphate as SO ₄	mg/l	8	554.50	<400	554.50
Nitrate as NO _x -N	mg/l	8	3.22	<10	3.54
Fluoride as F	mg/l	8	0.85	<1.0	0.94
Chemical Parameter	Unit	Quaternary Catchment E24F			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		3	7.90	5.0 – 9.5	8.69
Electrical Conductivity	mS/m	3	275.20	<150	275.20
Calcium as Ca	mg/l	3	110.80	<150	121.88
Magnesium as Mg	mg/l	3	94.40	<100	103.84
Sodium as Na	mg/l	3	361.40	<200	361.40
Total Alkalinity as CaCO ₃	mg/l	3	213.90	N/A	235.29
Chloride as Cl	mg/l	3	543.90	<200	543.90
Sulphate as SO ₄	mg/l	3	378.40	<400	416.24
Nitrate as NO _x -N	mg/l	3	3.28	<10	3.61
Fluoride as F	mg/l	3	0.92	<1.0	1.01

Chemical Parameter	Unit	Quaternary Catchments E24G-E24H			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		6	7.95	5.0 – 9.5	8.75
Electrical Conductivity	mS/m	6	320.00	<150	320.00
Calcium as Ca	mg/l	6	116.00	<150	127.60
Magnesium as Mg	mg/l	6	84.25	<100	92.68
Sodium as Na	mg/l	6	446.00	<200	446.00
Total Alkalinity as CaCO ₃	mg/l	6	213.55	N/A	234.91
Chloride as Cl	mg/l	6	795.40	<200	795.40
Sulphate as SO ₄	mg/l	6	174.10	<400	191.51
Nitrate as NO _x -N	mg/l	6	1.11	<10	1.22
Fluoride as F	mg/l	6	0.82	<1.0	0.90
Chemical Parameter	Unit	Quaternary Catchments E24J			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		56	7.31	5.0 – 9.5	8.04
Electrical Conductivity	mS/m	56	138.50	<150	152.35
Calcium as Ca	mg/l	56	46.30	<150	50.93
Magnesium as Mg	mg/l	56	30.50	<100	33.55
Sodium as Na	mg/l	54	166.55	<200	183.21
Total Alkalinity as CaCO ₃	mg/l	56	92.05	N/A	101.26
Chloride as Cl	mg/l	56	311.85	<200	311.85
Sulphate as SO ₄	mg/l	56	63.60	<400	69.96
Nitrate as NO _x -N	mg/l	56	0.06	<10	0.06
Fluoride as F	mg/l	54	0.23	<1.0	0.26

Chemical Parameter	Unit	Quaternary Catchment E24K			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		6	7.85	5.0 – 9.5	8.64
Electrical Conductivity	mS/m	6	324.50	<150	356.95
Calcium as Ca	mg/l	6	172.25	<150	189.48
Magnesium as Mg	mg/l	6	110.75	<100	121.83
Sodium as Na	mg/l	6	269.35	<200	296.29
Total Alkalinity as CaCO ₃	mg/l	6	188.55	N/A	207.41
Chloride as Cl	mg/l	6	801.65	<200	881.82
Sulphate as SO ₄	mg/l	6	206.95	<400	227.65
Nitrate as NO _x -N	mg/l	6	5.54	<10	6.09
Fluoride as F	mg/l	6	0.52	<1.0	0.57
Chemical Parameter	Unit	Quaternary Catchments E24L			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		40	5.52	5.0 – 9.5	6.07
Electrical Conductivity	mS/m	40	14.55	<150	16.01
Calcium as Ca	mg/l	40	3.35	<150	3.69
Magnesium as Mg	mg/l	40	2.80	<100	3.08
Sodium as Na	mg/l	40	16.00	<200	17.60
Total Alkalinity as CaCO ₃	mg/l	40	3.00	N/A	3.30
Chloride as Cl	mg/l	40	29.60	<200	32.56
Sulphate as SO ₄	mg/l	40	6.45	<400	7.10
Nitrate as NO _x -N	mg/l	40	1.20	<10	1.32
Fluoride as F	mg/l	40	0.11	<1.0	0.12

Chemical Parameter	Unit	Quaternary Catchment E24M			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		25	6.67	5.0 – 9.5	7.34
Electrical Conductivity	mS/m	25	165.00	<150	165.00
Calcium as Ca	mg/l	22	19.65	<150	21.62
Magnesium as Mg	mg/l	22	44.15	<100	48.57
Sodium as Na	mg/l	22	207.70	<200	207.70
Total Alkalinity as CaCO ₃	mg/l	25	9.50	N/A	10.45
Chloride as Cl	mg/l	22	436.60	<200	436.60
Sulphate as SO ₄	mg/l	22	50.25	<400	55.28
Nitrate as NO _x -N	mg/l	25	3.61	<10	3.97
Fluoride as F	mg/l	22	0.17	<1.0	0.19
Chemical Parameter	Unit	Quaternary Catchments E31E			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		6	8.16	5.0 – 9.5	8.98
Electrical Conductivity	mS/m	6	430.50	<150	430.50
Calcium as Ca	mg/l	6	148.12	<150	162.93
Magnesium as Mg	mg/l	6	95.09	<100	104.59
Sodium as Na	mg/l	6	605.64	<200	605.64
Total Alkalinity as CaCO ₃	mg/l	6	301.77	N/A	331.94
Chloride as Cl	mg/l	6	1124.69	<200	1124.69
Sulphate as SO ₄	mg/l	6	329.66	<400	362.62
Nitrate as NO _x -N	mg/l	6	2.55	<10	2.80
Fluoride as F	mg/l	6	1.47	<1.0	1.62

Chemical Parameter	Unit	Quaternary Catchment E31F			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		67	8.05	5.0 – 9.5	8.86
Electrical Conductivity	mS/m	67	190.00	<150	190.00
Calcium as Ca	mg/l	64	84.20	<150	92.62
Magnesium as Mg	mg/l	64	61.67	<100	67.83
Sodium as Na	mg/l	63	209.10	<200	209.10
Total Alkalinity as CaCO ₃	mg/l	64	250.25	N/A	275.28
Chloride as Cl	mg/l	65	295.30	<200	295.30
Sulphate as SO ₄	mg/l	65	221.90	<400	244.09
Nitrate as NO _x -N	mg/l	65	0.15	<10	0.16
Fluoride as F	mg/l	62	1.29	<1.0	1.29
Chemical Parameter	Unit	Quaternary Catchments E31G			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		12	8.10	5.0 – 9.5	8.91
Electrical Conductivity	mS/m	12	436.45	<150	436.45
Calcium as Ca	mg/l	11	163.80	<150	163.80
Magnesium as Mg	mg/l	11	147.20	<100	147.20
Sodium as Na	mg/l	11	584.30	<200	584.30
Total Alkalinity as CaCO ₃	mg/l	12	211.75	N/A	232.93
Chloride as Cl	mg/l	11	1161.90	<200	1161.90
Sulphate as SO ₄	mg/l	11	364.50	<400	364.50
Nitrate as NO _x -N	mg/l	12	4.46	<10	4.91
Fluoride as F	Mg/l	11	1.92	<1.0	1.92

Chemical Parameter	Unit	Quaternary Catchment E31H			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		8	7.98	5.0 – 9.5	8.77
Electrical Conductivity	mS/m	8	438.00	<150	438.00
Calcium as Ca	mg/l	8	87.55	<150	96.31
Magnesium as Mg	mg/l	8	107.10	<100	107.10
Sodium as Na	mg/l	8	611.10	<200	611.10
Total Alkalinity as CaCO ₃	mg/l	8	198.55	N/A	218.41
Chloride as Cl	mg/l	8	1159.35	<200	1159.35
Sulphate as SO ₄	mg/l	8	349.00	<400	383.90
Nitrate as NO _x -N	mg/l	8	6.09	<10	6.69
Fluoride as F	Mg/l	8	2.10	<1.0	2.10
Chemical Parameter	Unit	Quaternary Catchment E32A			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		6	7.88	5.0 – 9.5	8.67
Electrical Conductivity	mS/m	6	77.40	<150	85.14
Calcium as Ca	mg/l	6	50.50	<150	55.55
Magnesium as Mg	mg/l	6	26.20	<100	28.82
Sodium as Na	mg/l	6	83.85	<200	92.24
Total Alkalinity as CaCO ₃	mg/l	6	204.65	N/A	225.12
Chloride as Cl	mg/l	6	83.15	<200	91.47
Sulphate as SO ₄	mg/l	6	44.20	<400	48.62
Nitrate as NO _x -N	mg/l	6	0.22	<10	0.24
Fluoride as F	Mg/l	6	0.74	<1.0	0.81

Chemical Parameter	Unit	Quaternary Catchment E32B			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		14	7.74	5.0 – 9.5	8.51
Electrical Conductivity	mS/m	14	181.60	<150	181.60
Calcium as Ca	mg/l	14	109.95	<150	120.95
Magnesium as Mg	mg/l	14	74.95	<100	82.45
Sodium as Na	mg/l	14	150.65	<200	165.72
Total Alkalinity as CaCO ₃	mg/l	14	192.10	N/A	211.31
Chloride as Cl	mg/l	14	295.15	<200	295.15
Sulphate as SO ₄	mg/l	14	278.75	<400	306.63
Nitrate as NO _x -N	mg/l	14	1.76	<10	1.93
Fluoride as F	Mg/l	14	0.84	<1.0	0.92
Chemical Parameter	Unit	Quaternary Catchment E32C			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		15	7.75	5.0 – 9.5	8.53
Electrical Conductivity	mS/m	15	162.70	<150	162.70
Calcium as Ca	mg/l	15	80.20	<150	88.22
Magnesium as Mg	mg/l	15	60.80	<100	66.88
Sodium as Na	mg/l	15	185.10	<200	185.10
Total Alkalinity as CaCO ₃	mg/l	15	211.40	N/A	232.54
Chloride as Cl	mg/l	15	203.00	<200	203.00
Sulphate as SO ₄	mg/l	15	303.30	<400	333.63
Nitrate as NO _x -N	mg/l	15	2.32	<10	2.55
Fluoride as F	Mg/l	15	0.96	<1.0	0.96

Chemical Parameter	Unit	Quaternary Catchment E32D			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		25	7.75	5.0 – 9.5	8.53
Electrical Conductivity	mS/m	25	170.80	<150	170.80
Calcium as Ca	mg/l	25	101.90	<150	112.09
Magnesium as Mg	mg/l	25	57.30	<100	63.03
Sodium as Na	mg/l	25	201.40	<200	201.40
Total Alkalinity as CaCO ₃	mg/l	25	192.90	N/A	212.19
Chloride as Cl	mg/l	25	239.40	<200	239.40
Sulphate as SO ₄	mg/l	25	256.30	<400	281.93
Nitrate as NO _x -N	mg/l	25	0.49	<10	0.54
Fluoride as F	Mg/l	25	1.33	<1.0	1.33
Chemical Parameter	Unit	Quaternary Catchment E32E			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		15	7.80	5.0 – 9.5	8.58
Electrical Conductivity	mS/m	15	273.00	<150	273.00
Calcium as Ca	mg/l	15	106.30	<150	116.93
Magnesium as Mg	mg/l	15	88.50	<100	97.35
Sodium as Na	mg/l	15	303.10	<200	303.10
Total Alkalinity as CaCO ₃	mg/l	15	188.00	N/A	206.80
Chloride as Cl	mg/l	15	748.30	<200	748.30
Sulphate as SO ₄	mg/l	15	137.20	<400	150.92
Nitrate as NO _x -N	mg/l	15	2.23	<10	2.45
Fluoride as F	Mg/l	15	0.82	<1.0	0.90

Chemical Parameter	Unit	Quaternary Catchment E33A			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		10	8.10	5.0 – 9.5	8.90
Electrical Conductivity	mS/m	10	433.00	<150	433.00
Calcium as Ca	mg/l	10	155.85	<150	155.85
Magnesium as Mg	mg/l	10	118.55	<100	118.55
Sodium as Na	mg/l	10	659.45	<200	659.45
Total Alkalinity as CaCO ₃	mg/l	10	178.25	N/A	196.08
Chloride as Cl	mg/l	10	1327.85	<200	1327.85
Sulphate as SO ₄	mg/l	10	305.25	<400	335.78
Nitrate as NO _x -N	mg/l	10	5.42	<10	5.96
Fluoride as F	Mg/l	10	2.14	<1.0	2.14
Chemical Parameter	Unit	Quaternary Catchment E33B			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		6	8.18	5.0 – 9.5	8.99
Electrical Conductivity	mS/m	6	998.20	<150	998.20
Calcium as Ca	mg/l	6	232.15	<150	232.15
Magnesium as Mg	mg/l	6	240.60	<100	240.60
Sodium as Na	mg/l	6	1780.80	<200	1780.80
Total Alkalinity as CaCO ₃	mg/l	6	250.95	N/A	276.05
Chloride as Cl	mg/l	6	3063.90	<200	3063.90
Sulphate as SO ₄	mg/l	6	717.85	<400	717.85
Nitrate as NO _x -N	mg/l	6	4.51	<10	4.96
Fluoride as F	Mg/l	6	1.77	<1.0	1.77

Chemical Parameter	Unit	Quaternary Catchment E33C			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		11	8.23	5.0 – 9.5	9.05
Electrical Conductivity	mS/m	11	482.00	<150	482.00
Calcium as Ca	mg/l	11	76.10	<150	83.71
Magnesium as Mg	mg/l	11	131.70	<100	131.70
Sodium as Na	mg/l	11	674.60	<200	674.60
Total Alkalinity as CaCO ₃	mg/l	11	260.80	N/A	286.88
Chloride as Cl	mg/l	11	1472.40	<200	1472.40
Sulphate as SO ₄	mg/l	11	215.50	<400	237.05
Nitrate as NO _x -N	mg/l	11	1.76	<10	1.94
Fluoride as F	Mg/l	11	1.49	<1.0	1.49
Chemical Parameter	Unit	Quaternary Catchment E33D			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		149	7.79	5.0 – 9.5	8.57
Electrical Conductivity	mS/m	149	636.10	<150	636.10
Calcium as Ca	mg/l	143	111.54	<150	122.69
Magnesium as Mg	mg/l	143	121.40	<100	121.40
Sodium as Na	mg/l	143	1055.72	<200	1055.72
Total Alkalinity as CaCO ₃	mg/l	144	180.56	N/A	198.62
Chloride as Cl	mg/l	144	1799.25	<200	1799.25
Sulphate as SO ₄	mg/l	144	357.20	<400	392.92
Nitrate as NO _x -N	mg/l	143	0.24	<10	0.26
Fluoride as F	Mg/l	143	1.84	<1.0	1.84

Chemical Parameter	Unit	Quaternary Catchment E33E			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		32	7.65	5.0 – 9.5	8.41
Electrical Conductivity	mS/m	32	585.60	<150	585.60
Calcium as Ca	mg/l	32	142.45	<150	142.45
Magnesium as Mg	mg/l	32	168.40	<100	168.40
Sodium as Na	mg/l	32	857.70	<200	857.70
Total Alkalinity as CaCO ₃	mg/l	32	155.10	N/A	170.61
Chloride as Cl	mg/l	32	1712.00	<200	1712.00
Sulphate as SO ₄	mg/l	32	301.65	<400	331.82
Nitrate as NO _x -N	mg/l	32	1.50	<10	1.64
Fluoride as F	Mg/l	32	2.18	<1.0	2.18
Chemical Parameter	Unit	Quaternary Catchment E33F			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		672	8.00	5.0 – 9.5	8.80
Electrical Conductivity	mS/m	672	185.80	<150	185.80
Calcium as Ca	mg/l	667	102.50	<150	112.75
Magnesium as Mg	mg/l	666	45.27	<100	49.80
Sodium as Na	mg/l	627	183.38	<200	183.38
Total Alkalinity as CaCO ₃	mg/l	669	165.69	N/A	182.26
Chloride as Cl	mg/l	665	402.61	<200	402.61
Sulphate as SO ₄	mg/l	647	96.46	<400	106.10
Nitrate as NO _x -N	mg/l	671	1.06	<10	1.17
Fluoride as F	Mg/l	626	0.27	<1.0	0.30

Chemical Parameter	Unit	Quaternary Catchment E33G			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		75	8.13	5.0 – 9.5	8.95
Electrical Conductivity	mS/m	75	160.00	<150	160.00
Calcium as Ca	mg/l	74	87.31	<150	96.04
Magnesium as Mg	mg/l	74	40.51	<100	44.56
Sodium as Na	mg/l	69	170.39	<200	187.43
Total Alkalinity as CaCO ₃	mg/l	75	226.57	N/A	249.22
Chloride as Cl	mg/l	74	323.58	<200	323.58
Sulphate as SO ₄	mg/l	70	101.70	<400	111.87
Nitrate as NO _x -N	mg/l	75	0.63	<10	0.69
Fluoride as F	Mg/l	68	0.45	<1.0	0.49
Chemical Parameter	Unit	Quaternary Catchment E33H			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		10	7.78	5.0 – 9.5	8.55
Electrical Conductivity	mS/m	10	372.80	<150	372.80
Calcium as Ca	mg/l	10	51.85	<150	57.04
Magnesium as Mg	mg/l	10	80.00	<100	88.00
Sodium as Na	mg/l	10	551.25	<200	551.25
Total Alkalinity as CaCO ₃	mg/l	10	150.50	N/A	165.55
Chloride as Cl	mg/l	10	1015.30	<200	1015.30
Sulphate as SO ₄	mg/l	10	133.65	<400	147.02
Nitrate as NO _x -N	mg/l	10	0.67	<10	0.74
Fluoride as F	Mg/l	10	0.72	<1.0	0.79

Chemical Parameter	Unit	Quaternary Catchment E40A			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		132	7.99	5.0 – 9.5	8.79
Electrical Conductivity	mS/m	132	183.10	<150	183.10
Calcium as Ca	mg/l	132	91.90	<150	101.09
Magnesium as Mg	mg/l	132	68.60	<100	75.46
Sodium as Na	mg/l	132	235.60	<200	235.60
Total Alkalinity as CaCO ₃	mg/l	132	219.90	N/A	241.89
Chloride as Cl	mg/l	132	333.30	<200	333.30
Sulphate as SO ₄	mg/l	132	165.25	<400	181.78
Nitrate as NO _x -N	mg/l	132	0.34	<10	0.38
Fluoride as F	Mg/l	132	1.10	<1.0	1.10
Chemical Parameter	Unit	Quaternary Catchment E40B			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		123	7.87	5.0 – 9.5	8.66
Electrical Conductivity	mS/m	123	200.50	<150	200.50
Calcium as Ca	mg/l	120	100.30	<150	110.33
Magnesium as Mg	mg/l	119	58.40	<100	64.24
Sodium as Na	mg/l	119	181.60	<200	199.76
Total Alkalinity as CaCO ₃	mg/l	120	208.25	N/A	229.08
Chloride as Cl	mg/l	122	358.00	<200	358.00
Sulphate as SO ₄	mg/l	122	141.86	<400	156.04
Nitrate as NO _x -N	mg/l	122	0.70	<10	0.77
Fluoride as F	Mg/l	119	0.64	<1.0	0.70

Chemical Parameter	Unit	Quaternary Catchment E40C			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		6	7.57	5.0 – 9.5	8.32
Electrical Conductivity	mS/m	6	91.05	<150	100.16
Calcium as Ca	mg/l	6	24.35	<150	26.79
Magnesium as Mg	mg/l	6	8.55	<100	9.41
Sodium as Na	mg/l	6	112.20	<200	123.42
Total Alkalinity as CaCO ₃	mg/l	6	110.60	N/A	121.66
Chloride as Cl	mg/l	6	193.30	<200	193.30
Sulphate as SO ₄	mg/l	6	11.30	<400	12.43
Nitrate as NO _x -N	mg/l	6	0.34	<10	0.38
Fluoride as F	Mg/l	6	0.28	<1.0	0.31
Chemical Parameter	Unit	Quaternary Catchment E40D			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		8	7.23	5.0 – 9.5	7.95
Electrical Conductivity	mS/m	8	17.60	<150	19.36
Calcium as Ca	mg/l	8	3.35	<150	3.69
Magnesium as Mg	mg/l	8	4.10	<100	4.51
Sodium as Na	mg/l	8	28.45	<200	31.30
Total Alkalinity as CaCO ₃	mg/l	8	17.85	N/A	19.64
Chloride as Cl	mg/l	8	40.40	<200	44.44
Sulphate as SO ₄	mg/l	8	7.75	<400	8.53
Nitrate as NO _x -N	mg/l	8	1.55	<10	1.70
Fluoride as F	Mg/l	8	0.23	<1.0	0.25

Chemical Parameter	Unit	Quaternary Catchment F60A			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		49	7.10	5.0 – 9.5	7.81
Electrical Conductivity	mS/m	49	770.00	<150	770.00
Calcium as Ca	mg/l	49	165.20	<150	165.20
Magnesium as Mg	mg/l	49	202.90	<100	202.90
Sodium as Na	mg/l	49	1298.90	<200	1298.90
Total Alkalinity as CaCO ₃	mg/l	49	102.80	N/A	112.86
Chloride as Cl	mg/l	49	2502.80	<200	2502.80
Sulphate as SO ₄	mg/l	49	370.20	<400	370.20
Nitrate as NO _x -N	mg/l	49	0.04	<10	0.04
Fluoride as F	Mg/l	49	0.89	<1.0	0.98
Chemical Parameter	Unit	Quaternary Catchment F60B			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		149	7.78	5.0 – 9.5	8.56
Electrical Conductivity	mS/m	149	636.10	<150	636.10
Calcium as Ca	mg/l	149	155.40	<150	155.40
Magnesium as Mg	mg/l	149	178.00	<100	178.00
Sodium as Na	mg/l	149	962.60	<200	962.60
Total Alkalinity as CaCO ₃	mg/l	149	180.64	N/A	198.70
Chloride as Cl	mg/l	149	1878.80	<200	1878.80
Sulphate as SO ₄	mg/l	149	369.82	<400	369.82
Nitrate as NO _x -N	mg/l	149	1.54	<10	1.69
Fluoride as F	Mg/l	149	1.50	<1.0	1.50

Chemical Parameter	Unit	Quaternary Catchment F60C			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		49	7.10	5.0 – 9.5	7.81
Electrical Conductivity	mS/m	49	770.00	<150	770.00
Calcium as Ca	mg/l	49	165.20	<150	165.20
Magnesium as Mg	mg/l	49	202.90	<100	202.90
Sodium as Na	mg/l	49	1298.90	<200	1298.90
Total Alkalinity as CaCO ₃	mg/l	49	102.60	N/A	112.86
Chloride as Cl	mg/l	49	2502.80	<200	2502.80
Sulphate as SO ₄	mg/l	49	370.20	<400	370.20
Nitrate as NO _x -N	mg/l	49	0.04	<10	0.04
Fluoride as F	Mg/l	49	0.89	<1.0	0.98
Chemical Parameter	Unit	Quaternary Catchment F60D			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		5	7.83	5.0 – 9.5	8.61
Electrical Conductivity	mS/m	5	1255.00	<150	1255.00
Calcium as Ca	mg/l	5	288.70	<150	288.70
Magnesium as Mg	mg/l	5	270.70	<100	270.70
Sodium as Na	mg/l	5	2136.50	<200	2136.50
Total Alkalinity as CaCO ₃	mg/l	5	180.40	N/A	198.44
Chloride as Cl	mg/l	5	4249.60	<200	4249.60
Sulphate as SO ₄	mg/l	5	592.20	<400	592.20
Nitrate as NO _x -N	mg/l	5	0.59	<10	0.65
Fluoride as F	Mg/l	5	2.00	<1.0	2.00

Chemical Parameter	Unit	Quaternary Catchment F60E			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		20	7.60	5.0 – 9.5	8.35
Electrical Conductivity	mS/m	20	1181.00	<150	1181.00
Calcium as Ca	mg/l	20	186.30	<150	186.30
Magnesium as Mg	mg/l	20	220.60	<100	220.60
Sodium as Na	mg/l	20	2338.36	<200	2338.36
Total Alkalinity as CaCO ₃	mg/l	20	152.10	N/A	167.31
Chloride as Cl	mg/l	20	4071.45	<200	4071.45
Sulphate as SO ₄	mg/l	20	593.10	<400	593.10
Nitrate as NO _x -N	mg/l	20	0.18	<10	0.20
Fluoride as F	Mg/l	20	2.00	<1.0	2.00
Chemical Parameter	Unit	Quaternary Catchment G30A			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		60	6.68	5.0 – 9.5	7.35
Electrical Conductivity	mS/m	60	217.50	<150	217.50
Calcium as Ca	mg/l	60	23.55	<150	25.91
Magnesium as Mg	mg/l	60	57.54	<100	63.30
Sodium as Na	mg/l	57	278.40	<200	278.40
Total Alkalinity as CaCO ₃	mg/l	59	28.10	N/A	30.91
Chloride as Cl	mg/l	60	500.78	<200	500.78
Sulphate as SO ₄	mg/l	60	168.10	<400	184.91
Nitrate as NO _x -N	mg/l	59	0.15	<10	0.17
Fluoride as F	Mg/l	58	0.15	<1.0	0.16

Chemical Parameter	Unit	Quaternary Catchment G30B			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		127	7.13	5.0 – 9.5	7.84
Electrical Conductivity	mS/m	127	44.10	<150	48.51
Calcium as Ca	mg/l	123	11.60	<150	12.76
Magnesium as Mg	mg/l	123	9.30	<100	10.23
Sodium as Na	mg/l	122	52.95	<200	58.25
Total Alkalinity as CaCO ₃	mg/l	122	48.05	N/A	52.85
Chloride as Cl	mg/l	124	96.60	<200	106.26
Sulphate as SO ₄	mg/l	124	12.85	<400	14.13
Nitrate as NO _x -N	mg/l	122	4.59	<10	5.05
Fluoride as F	Mg/l	121	0.16	<1.0	0.18
Chemical Parameter	Unit	Quaternary Catchment G30C			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		45	6.43	5.0 – 9.5	7.07
Electrical Conductivity	mS/m	44	45.30	<150	49.83
Calcium as Ca	mg/l	45	5.60	<150	6.16
Magnesium as Mg	mg/l	45	9.60	<100	10.56
Sodium as Na	mg/l	43	50.10	<200	55.11
Total Alkalinity as CaCO ₃	mg/l	45	9.45	N/A	10.39
Chloride as Cl	mg/l	45	102.60	<200	112.86
Sulphate as SO ₄	mg/l	45	10.30	<400	11.33
Nitrate as NO _x -N	mg/l	45	3.05	<10	3.36
Fluoride as F	Mg/l	44	0.10	<1.0	0.11

Chemical Parameter	Unit	Quaternary Catchment G30D			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ¹⁾
pH		109	7.33	5.0 – 9.5	8.06
Electrical Conductivity	mS/m	109	86.90	<150	95.59
Calcium as Ca	mg/l	108	26.65	<150	29.32
Magnesium as Mg	mg/l	108	21.03	<100	23.14
Sodium as Na	mg/l	105	113.60	<200	124.96
Total Alkalinity as CaCO ₃	mg/l	107	43.72	N/A	48.09
Chloride as Cl	mg/l	108	217.11	<200	217.11
Sulphate as SO ₄	mg/l	109	36.10	<400	39.71
Nitrate as NO _x -N	mg/l	107	0.53	<10	0.58
Fluoride as F	Mg/l	103	0.16	<1.0	0.17
Chemical Parameter	Unit	Quaternary Catchment G30E			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		216	7.19	5.0 – 9.5	7.90
Electrical Conductivity	mS/m	216	151.75	<150	151.75
Calcium as Ca	mg/l	213	50.70	<150	55.77
Magnesium as Mg	mg/l	214	28.29	<100	31.12
Sodium as Na	mg/l	200	212.61	<200	212.61
Total Alkalinity as CaCO ₃	mg/l	212	52.17	N/A	57.39
Chloride as Cl	mg/l	213	352.44	<200	352.44
Sulphate as SO ₄	mg/l	214	53.50	<400	58.85
Nitrate as NO _x -N	mg/l	211	3.86	<10	4.24
Fluoride as F	Mg/l	205	0.20	<1.0	0.22

Chemical Parameter	Unit	Quaternary Catchment G30F			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		286	6.40	5.0 – 9.5	7.04
Electrical Conductivity	mS/m	286	77.45	<150	85.20
Calcium as Ca	mg/l	283	8.90	<150	9.79
Magnesium as Mg	mg/l	285	16.80	<100	18.48
Sodium as Na	mg/l	271	102.72	<200	112.99
Total Alkalinity as CaCO ₃	mg/l	285	10.52	N/A	11.57
Chloride as Cl	mg/l	284	199.74	<200	199.74
Sulphate as SO ₄	mg/l	285	17.10	<400	18.81
Nitrate as NO _x -N	mg/l	285	2.91	<10	3.20
Fluoride as F	Mg/l	276	0.11	<1.0	0.12
Chemical Parameter	Unit	Quaternary Catchment G30G			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		177	7.02	5.0 – 9.5	7.72
Electrical Conductivity	mS/m	177	125.60	<150	138.16
Calcium as Ca	mg/l	172	13.68	<150	15.05
Magnesium as Mg	mg/l	172	27.55	<100	30.30
Sodium as Na	mg/l	171	203.70	<200	203.70
Total Alkalinity as CaCO ₃	mg/l	170	21.76	N/A	23.94
Chloride as Cl	mg/l	172	348.69	<200	348.69
Sulphate as SO ₄	mg/l	172	32.74	<400	36.01
Nitrate as NO _x -N	mg/l	170	0.07	<10	0.08
Fluoride as F	Mg/l	163	0.17	<1.0	0.18

Chemical Parameter	Unit	Quaternary Catchment G30H			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		91	7.43	5.0 – 9.5	8.17
Electrical Conductivity	mS/m	91	299.00	<150	299.00
Calcium as Ca	mg/l	85	45.20	<150	49.72
Magnesium as Mg	mg/l	85	69.00	<100	75.90
Sodium as Na	mg/l	85	434.90	<200	434.90
Total Alkalinity as CaCO ₃	mg/l	88	50.25	N/A	55.28
Chloride as Cl	mg/l	85	863.50	<200	863.50
Sulphate as SO ₄	mg/l	86	99.70	<400	109.67
Nitrate as NO _x -N	mg/l	89	1.59	<10	1.75
Fluoride as F	Mg/l	84	0.24	<1.0	0.26
Chemical Parameter	Unit	Quaternary Catchment E31A			
		No. of Samples	Ambient GW quality or median ¹⁾	BHN Reserve ²⁾	Groundwater Quality Reserve ³⁾
pH		42	7.84	5.0 – 9.5	8.62
Electrical Conductivity	mS/m	42	673.00	<150	673.00
Calcium as Ca	mg/l	37	410.44	<150	410.44
Magnesium as Mg	mg/l	36	103.15	<100	103.15
Sodium as Na	mg/l	37	884.62	<200	884.62
Total Alkalinity as CaCO ₃	mg/l	37	185.91	N/A	204.50
Chloride as Cl	mg/l	37	1734.30	<200	1734.30
Sulphate as SO ₄	mg/l	38	549.78	<400	549.78
Nitrate as NO _x -N	mg/l	37	45.60	<10	45.60
Fluoride as F	Mg/l	37	1.89	<1.0	1.89

Table 5.3: A summary of the groundwater quality class and parameters.

Catchment	Area(km ²)	Water Quality Class (WRC, 1998 & SANS 241:2006)	Water Quality parameters of concern
E10A	134	0	
E10B	202	0	
E10C	192	I	pH
E10D	235	0	
E10E	366	0	
E10F	386	0	
E10G	508	0	
E10H	162	0	
E10J	468	0	
E10K	235	II	Cl, Na, EC
E21A	190	0	
E21B	223	I	EC
E21C	233	0	
E21D	242	0	
E21E	293	0	
E21F	379	0	
E21G	266	I	EC
E21H	404	I	pH
E21J	317	0	
E21K	330	0	
E21L	195	0	
E22A	750	II	EC, Cl
E22B	638	III	Cl
E22C	490	0	
E22D	496	III	Cl, Na, Mg
E22E	1013	II	Cl
E22F	400	0	

Catchment	Area(km ²)	Water Quality Class (WRC. 1998 & SANS 241:2006)	Water Quality parameters of concern
E22G	367	II	Cl
E23A	762	II	Cl
E23B	705	II	Cl
E23C	318	II	Cl
E23D	750	II	Cl
E23E	564	III	Na
E23F	473	III	Na
E23G	747	III	Na
E23H	660	III	Na
E23J	895	III	Na
E23K	572	II	F, Na
E24A	255	III	Cl, Na
E24B	468	III	Cl, Na
E24C	784	II	F, Na
E24D	997	II	F, Na
E24E	671	III	Mg
E24F	582	II	Cl, Na, EC
E24G	633	III	Cl, Na
E24H	483	III	Cl, Na
E24J	1078	II	Cl
E24K	652	III	Cl, Mg
E24L	516	I	pH
E24M	529	II	Cl, Na, EC
E31A	2865	III	Ca, Cl, Na, EC, NO ₃ , Mg
E31B	1476	III	Cl, Na, EC, SO ₄
E31C	1572	III	Cl, Na, EC, Mg
E31D	839	III	Cl, Na, EC, Mg
E31E	478	III	Cl, Na, EC
E31F	525	II	Cl, Na, EC
E31G	1238	III	Cl, Na, EC
E31H	726	III	Cl, Na, EC

Catchment	Area(km ²)	Water Quality Class (WRC, 1998 & SANS 241:2006)	Water Quality parameters of concern
E32A	1118	I	EC, F
E32B	828	II	Cl, EC
E32C	638	II	Cl, EC
E32D	616	II	Cl, EC, Na, F
E32E	1001	III	Cl
E33A	1355	III	Cl, EC, Na
E33B	702	III	Cl, EC, Na, Mg, SO ₄
E33C	980	III	Cl, EC, Na
E33D	1559	III	Cl, EC
E33E	1282	III	Cl, EC, Na
E33F	725	III	Cl
E33G	894	II	Cl, EC
E33H	719	III	Cl, EC, Na
E40A	941	II	Cl, EC, Na, F
E40B	707	II	Cl, EC
E40C	530	I	Cl, EC, Na
E40D	544	0	
F60A	572	III	Cl, EC, Na, Mg
F60B	320	III	Cl, EC, Na
F60C	622	III	Cl, EC, Na, Mg
F60D	481	III	Cl, EC, Na, Mg
F60E	795	III	Cl, EC, Na, Mg
G30A	761	II	Cl, EC, Na
G30B	658	0	
G30C	351	I	Cl
G30D	534	II	Cl
G30E	352	II	Cl, EC, Na
G30F	780	I	Cl, EC, Na
G30G	647	II	Cl, Na
G30H	1077	III	Cl, Na

GENERAL NOTICES • ALGEMENE KENNISGEWINGS

DEPARTMENT OF JUSTICE AND CONSTITUTIONAL DEVELOPMENT**NOTICE 291 OF 2017****PROMOTION OF ACCESS TO INFORMATION ACT, 2000****DESCRIPTION SUBMITTED IN TERMS OF SECTION 15(1)**

I, Tshililo Michael Masutha, Minister of Justice and Correctional Services, hereby publish under section 15(2) of the Promotion of Access to Information Act, 2000 (Act No. 2 of 2000), the descriptions submitted to me in terms of section 15(1) of the said Act by the –

GAUTENG PROVINCIAL GOVERNMENT: DEPARTMENT OF ECONOMIC DEVELOPMENT

As set out in the Schedule

**TSHILOLO MICHAEL MASUTHA, MP (ADV)****MINISTER FOR JUSTICE AND CORRECTIONAL SERVICES**

J753



REPUBLIC OF SOUTH AFRICA

FORM D
AUTOMATICALLY AVAILABLE RECORDS AND ACCESS TO SUCH RECORDS:
 (Section 15 of the Promotion of Access to Information Act, 2000 (Act 2 of 2000))
 [Regulation 5A]

DESCRIPTION OF CATEGORY OF RECORDS AUTOMATICALLY AVAILABLE IN TERMS OF SECTION 15(1)(a) OF THE PROMOTION OF ACCESS TO INFORMATION ACT, 2000	MANNER OF ACCESS TO RECORDS (e.g. website) (SECTION 15(1)(b))
FOR INSPECTION IN TERMS OF SECTION 15(1)(a)(i):	
Strategic Documents: Annual Reports, APP, Frameworks, Budget, Legislation, Operational Plans, Procedures and Frameworks, Reports, Registers, minutes and policies (both internal and operational policies)	Website: www.ecodev.gpg.gov.za Office: 56 Ellof Str. Umnotho House, Johannesburg, 2001
FOR PURCHASING IN TERMS OF SECTION 15(1)(a)(ii):	
None	None
FOR COPYING IN TERMS OF SECTION 15(1)(a)(ii):	
Strategic Documents: Annual Reports, APP, Frameworks, Budget, Legislation, Operational Plans, Procedures and Frameworks, Reports, Registers, minutes and policies (both internal and operational policies)	Website: www.ecodev.gpg.gov.za Office: 56 Ellof Str. Umnotho House, Johannesburg, 2001
AVAILABLE FREE OF CHARGE IN TERMS OF SECTION 15(1)(a)(iii):	
Strategic Documents: Annual Reports, APP, Frameworks, Budget, Legislation, Operational Plans, Procedures and Frameworks, Reports, Registers, minutes and policies (both internal and operational policies), Marketing material, media statements	Website: www.ecodev.gpg.gov.za Office: 56 Ellof Str. Umnotho House, Johannesburg, 2001

DEPARTMENT OF LABOUR
NOTICE 292 OF 2017

LABOUR RELATIONS ACT, 1995

APPLICATION FOR REGISTRATION OF A BARGAINING COUNCIL

I, Johannes Theodorus Crouse, Registrar of Labour Relations, hereby, in terms of section 29(3) of the Labour Relations Act, 1995, give notice that an application for the registration of a bargaining council has been received from **National Bargaining Council for the Private Security Sector**

Particulars of the application are reflected in the subjoined table.

Any person may object to the application on any or all of the following grounds:

- (a) the applicant has not complied with the provisions of section 29 of the Act, read with the changes required by the context;
- (b) the sector and area in respect of which the application is made is not appropriate; and
- (c) the applicant is not sufficiently representative in the sector and area in respect of which the application is made.

Any person who objects must lodge his/her written objection with me, c/o the Department of Labour, Laboria House, 215 Francis Baard Street, Pretoria (postal address: Private Bag X117, Pretoria, 0001), within 30 days of the date of this notice.

A copy of the objection must be served on the applicant within the said period and I must be satisfied that a copy of the objection has been served on the applicant.

The applicant may respond to the objection within 14 days of the expiry of the 30-day period mentioned above and must satisfy me that a copy of the response has been served on the person who objected within the 14-day period.

TABLE

Name of the applicant bargaining council:

National Bargaining Council for the Private Security Sector

Address of applicant bargaining council:

C/O Moodie & Robertson Attorneys

P O box 4685

Johannesburg

2000

12th Floor East Wing Libridge Building

25 Ameshoff Street

Braamfontein

Johannesburg

Tel: (011) 628 8600

Fax No: (011) 720 7541

E Mail : charlesb@moodierobertson.co.za

Date on which application was lodged:

16 February 2017

Intention of the application

The intention of the application is to publish a notice for public comment in respect of an application for registration of a bargaining council in the Private Security Sector.

Sector and area in respect of which the application is made:

The Private Security Sector, as defined hereunder, in the Republic of South Africa

“Private Security Sector” or “sector” means the sector in which the employers and employees are associated for the purpose of guarding or protecting fixed property, premises, goods, persons or employees, including monitoring and responding to alarms at premises which are guarded by persons or by electronic means, but excluding the assets-in transit to the extent that it falls under the registered scope of the National Bargaining Council for the Road Freight and Logistics Industry.

Representativeness of the Council:

Total number of employees falling within the scope of the Council and who belong to the trade unions which are party to the Council:

92 612

Total number of employers falling within the scope of the Council and who belong to the employers’ organisations which are party to the Council:

132

Total number of employees employed within the scope of the Council by the employers who belong to the employers’ organisations which are party to the Council:

211 000

Estimated total number of the employers within the scope of the Council:

6000

Estimated total number of the employees employed within the scope of the Council:

250 000

J. T. Crouse
REGISTRAR OF LABOUR RELATIONS

NON-GOVERNMENTAL ORGANIZATION**NOTICE 293 OF 2017****NEJAHMOGUL TECHNOLOGIES AND AGRIC SERVICES****AGRICULTURAL PRODUCT STANDARD ACT NO 119 OF 1990****INVITATION OF COMMENTS ON THE PROPOSED INSPECTION FEES**

The CEO of the designated assignee, Nejahmogul Technologies and Agric Services, hereby invite comments on the proposed fees. The assignee has been designated in terms of section 2 (3) of the Agricultural Product Standard Act No 119 of 1990, to apply sections 3(1) of the said Act with respect to regulated dairy products, imitation dairy products and edible ices.

Comments are hereby invited with respect to the proposed inspection fees from all affected stakeholders and they should reach the CEO of Nejahmogul Technologies and Agric Services by no later than 30 days from the date of publication of this notice

PROPOSED INSPECTION FEES

Product	Tests	Proposed tariff (R)
Milk	Fat content (%)	850.00
	Moisture	238.00
	Protein content	534.00
	PH Value	238.00
	Maximum freezing point	94.00
Cultured Milk	Fat content (%)	850.00
	Moisture	238.00
	Protein content	534.00
Buttermilk	Fat content (%)	850.00
	Moisture	238.00
Sweetened Condensed Milk	Fat content (%)	850.00
	Moisture	238.00
	Protein content	534.00

Evaporated Milk	Fat content (%)	850.00
	Moisture	238.00
	Protein content	534.00
Yoghurt and Drinking Yoghurt	Fat content (%)	850.00
	Moisture	238.00
	Protein content	534.00
Yoghurt and Drinking Yoghurt with added foodstuff	Fat content (%)	850.00
	Moisture	238.00
	Protein content	534.00
Cream, Acidified cream & Cultured cream	Fat content (%)	850.00
	PH Value	238.00
Cheese	Moisture	238.00
	Total Fat (%)	850.00
Processed cheese and cheese spread	Moisture	238.00
	Total Fat	850.00
Cream cheese and cream cheese with added foodstuff	Moisture	238.00
	Total Fat	850.00
Cottage cheese and cottage cheese with added foodstuff	Moisture	238.00
	Total Fat	850.00
Butter and Cultured butter	Fat content (%)	850.00
	Moisture	238.00
	Protein content	534.00
	Salt	680.00
	PH Value	238.00
Modified butter	Milk Fat content (%)	850.00
	Vegetable oil content	850.00
	Marine Fat content (%)	850.00
	Total Fat	850.00

Dairy powder and dairy powder blend	Fat content (%)	850.00
	Protein content	534.00
	Moisture	238.00
Dairy liquid blend and cultured dairy liquid blend	Fat content (%)	850.00
	Moisture	238.00
	Protein content	534.00
	PH Value	238.00
Imitation Dairy Products	Total Fat (%)	850.00
	Protein content	534.00
Dairy Ice cream, Ice cream, Frozen Yoghurt (including blends with Dairy ice cream/ Ice cream), Frozen Desserts, Frozen Dairy Desserts, Soft Serve	Fat content (%)	850.00
	Moisture	238.00
Frozen Sorbet	Fat content (%)	850.00
		Rate per hour
Normal time (08h00 – 17h00 weekdays)		435.00
Sunday & public holidays		530.25
Kilometer rate		3.71
Normal overtime (after hours)		474.75
Courier cost		850.00
Labels evaluation and inspection		Hourly tariffs as published

The above rates will be valid from the date of final gazetting. In instances where a service delivered and unit rates are not sufficient to cover costs, Nejahmogul will retain the right to at its discretion, charge hour and or kilometre rates as listed above instead of or in addition to published fees. For practical purposes hour and kilometre rates may be adapted to an equivalent tariff per unit. Where hourly rates are charged, a minimum fee for a one hour call out fee will be charged. Thereafter time will be charged in half hour segments per hour or part thereof. The same principle will apply to overtime

and Sunday time. After hours call out are defined as all callouts made outside Normal Time and will be charged at the normal over time or Sunday and Public holiday rates.

N.B All charges referred to in this document exclude VAT

**DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM
NOTICE 294 OF 2017**

GENERAL NOTICE IN TERMS OF THE RESTITUTION OF LAND RIGHTS ACT 1994, (ACT No. 22 OF 1994) AS AMENDED

Notice is hereby given in terms of Section 11(1) of the Land Rights Act 1994, (Act No. 22 of 1994), as amended. This claim for the restitution of land rights has been submitted to Regional Land Claims Commissioner of Western Cape. The particulars regarding this claim are as follows:

REFERENCE No: KRK6/2/3/A/6/2742/0/6 (F196)

DISPOSSESSED PARTY: J.G Francisco

PROPERTY DESCRIPTION: Erf 63192 in Lansdowne, City of Cape Town

EXTENT: (301m²)

DATE OF DISPOSSESSION: 1980

CAPACITY: OWNERSHIP

CURRENT OWNER: Fisher Anthony James

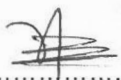
DATE OF LODGEMENT: 14 July 1997

The Commission on Restitution of Land Rights will investigate this claim in terms of provisions of the Act in due course. Any party who has an interest in the above-mentioned land is hereby invited to submit, within 60 days from the publication of this notice, any comments / information to:

REGIONAL LAND CLAIMS COMMISSIONER: WESTERN CAPE
PRIVATE BAG X9163
CAPE TOWN
8000

TEL: 021-409 0300
FAX: 021-424 5146

MR. L.H MAPHUTHA
REGIONAL LAND CLAIMS COMMISSIONER

APPROVED: 

DATE: 2017/03/06

CHECKED BY: 

DATE: 01/3/2017

DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NOTICE 295 OF 2017

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

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. These claims for the restitution of land rights have been submitted to the Regional Land Claims Commissioner for the Western Cape. The particulars regarding these claims are as follows:

Claimant : Mr Sulaiman Vallie
 ODI : The Vallie Bothers
 Capacity : Tenancy
 Date of submission : 30 December 1998

Ref no	Property Description	Area	Extent
KRK6/2/3/A/4/23/0/70(V238)	Erf 23376	Goodwood, Cape Town Metro	4242m ²

The Regional Land Claims Commission will investigate these claims in terms of provisions of the Act in due course. Any party who has an interest in the above-mentioned land is hereby invited to submit, within 60 days from the publication of this notice, any comments / information to:

The Regional Land Claims Commission: Western Cape
 Private Bag X9163
 Cape Town
 8000

Tel: (021)409-0300
 Fax: (021)409-0539

CHECKED.....

DATE..... 01/3/2017

APPROVED.....

DATE..... 2017/03/06

Mr. L.H Maphutha
 Regional Land Claims Commissioner

**DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM
NOTICE 296 OF 2017**

SCHEDULE

REPUBLIC OF SOUTH AFRICA

THE RESTITUTION OF LAND RIGHT AMENDMENT BILL

(P J Mnguni MP)

PARLIAMENT OF THE REPUBLIC OF SOUTH AFRICA**NOTICE OF INTENT TO INTRODUCE PRIVATE MEMBER'S BILL AND INVITATION
FOR PUBLIC COMMENT ON DRAFT RESTITUTION OF LAND RIGHT RIGHTS
AMENDMENT BILL**

Mr P.J. Mnguni, MP acting in accordance with section 73(2) of the Constitution of the Republic of South Africa, 1996 ("the Constitution"), intends to introduce the Restitution of Land Rights Amendment Bill, 2017 in Parliament during the second quarter of 2017. An explanatory summary of the Bill is hereby published in accordance with Rule 276(1)(c) of the Rules of the National Assembly (9th Edition).

Section 2(1) of the Restitution of Land Rights Act, 1994 (Act No. 22 of 1994) ("the Act") *inter alia* provides that a claim for the restitution of rights in land must be lodged by no later than 31 December 1998. Due to a number of challenges experienced in the application of the restitution programme, and in order to align it to the broad goals of the National Development Plan: Vision 2030 (2012), this programme was evaluated. The evaluation indicated that certain deserving persons and communities dispossessed of rights in land as a result of past racially discriminatory laws and practices did not participate in the process. The following categories were identified as being excluded by the restitution laws and programme, i.e. those who could not lodge claims by the cut-off date of 31 December 1998, and those dispossessed through betterment planning schemes and not allowed to lodge their claims by the Commission on Restitution of Land Rights (CRLR).

The evaluation further indicated that the research methodology that informed the restitution process was to large extend inadequate; that the window period that was provided to lodge claims was too short and that the communication campaign to inform citizens about the requirement to lodge claims did not reach every corner of the country.

It is estimated that at least 3.5 million individuals were forcibly removed from their land as a result of racially discriminatory laws and practices implemented after 19 June 1913, especially between

1960 and 1982. It has been argued that this figure excludes disposessions that were caused by betterment planning and homeland consolidation. When disposessions that took place as a result of betterment and homeland consolidations (which also included disposessions of rights in land held by white people) during the same period are taken into account the figure could be closer to 7.5 million, whilst less than 80 000 claims for restitution were lodged with the CRLR before the cut-off date of 31 December 1998. These figures do not take into account the fact that some of the disposessions of rights in land, particularly in urban areas, did not involve the physical removal of people.

The Restitution of Land Rights Amendment Act, 2014 (Act No. 15 of 2014) (“the Amendment Act”) had sought to reopen the lodgement of land claims for the period of five years ending on 30 June 2019. However, on 28 July 2016 the Constitutional Court (*Land Access Movement of South Africa and Others v Chairperson of the National Council of Provinces and Others [2016] ZACC 22*) declared that the National Council of Provinces’ public participation process was unreasonable and therefore constitutionally invalid. The Constitutional Court held that a failure by one of the Houses of Parliament to comply with a constitutional obligation amounts to failure by Parliament as a whole. The Constitutional Court, therefore, held that Parliament failed to satisfy its obligation to facilitate public involvement in accordance with section 72(1)(a) of the Constitution when it passed the Amendment Act and therefore declared the Amendment Act invalid in its entirety.

The Restitution of Land Rights Amendment Bill, 2017 (“the Bill”), again proposes certain amendments to the Act so as to extend the date for lodging a claim for restitution to 30 June 2021; to criminalise the lodgement of a fraudulent claim; to further regulate the appointment, tenure of office, remuneration and the terms and conditions of service of judges of the Land Claims Court; and to further amend certain provisions which are aimed at promoting the effective implementation of the Act.

What follows is a list of some of the other matters that the Bill seeks to deal with:

- the amendment of certain definitions so as to allow new claims to be lodged. These new claims will however not be processed until the claims lodged before 31 December 1998 have been finalised.

- the publication of details of a claim in media that is circulating nationally and in media that is circulated in the province in which the affected land is situated.
- the Land Claims Commission (“the Commission”) must ensure that claims lodged by 31 December 1998 are finalised first before new claims are processed. The Commission will further be required to establish a register where particulars of claims must be inserted, which register will be open to the public.
- a consequential amendment to section 12(5) of the Act as a result of extending the period for lodging a claim.
- a requirement that the Commissioner certifies in writing that all claims lodged no later than 31 December 1998 have been finalised and publishes in the *Government Gazette* a date from when new claims will be processed.
- an amendment to create two additional offences in respect of a person who:
 - (a) obstructs, unduly influences, misleads or engages in any conduct which is designed to prevent, compromise or obstruct any claimant from pursuing his or her rights provided for in the Act; and
 - (b) lodges a claim with the sole intention of defrauding the state.
- an amendment to section 22 of the Act to provide for the appointment of an acting judge of the Land Claims Court (“the Court”) when a vacancy arises or for any other sufficient reason, by the Minister of Justice and Constitutional Development (“the Minister”) after consultation with the President of the Court, for such term as the Minister may determine.
- currently the remuneration of judges of the Court is regulated by section 26 of the Act. This section is being deleted, as all judges of the Court must be a judge of the High Court of South Africa whose conditions of service are regulated by the Judges’ Remuneration and Conditions of Employment Act, 2001.

- a proposal that sections 23, 26 and 26A of the Act be repealed, as the matters dealt with in these sections are now being dealt with by the proposed amendments to section 22 of the Act.
- a further proposal that sections 38B, 38D, and 42D of the Act be amended by substitution for the date “31 December 1998” of the date “30 June 2021”. These substitutions are a direct consequence of the amendment of the cut-off date for lodging a claim for restitution in section 2(1)(e) of the Act.
- a proposal that section 42D of the Act be amended to extend the Minister’s powers of delegation.

The Bill will be available on the website of the African National Congress (<http://www.anc.org.za/>) once it has been certified by the Chief Parliamentary Legal Adviser or a parliamentary legal advisor designated by him or her as required by Rule 279(4) of the Rules of the National Assembly (9th Edition). It may also, after introduction, be obtained from:

The African National Congress

ANC Parliamentary Caucus

439 New Wing Building

Parliament of the Republic of South Africa

Cape Town

Attention: Fezekisa Makeleni

Telephone: 021 403 2200

Facsimile: 086 773 6703

E-mail: fmakeleni@parliament.gov.za

Interested parties and institutions are invited to submit written representations on the draft bill to the Speaker of the National Assembly by **31 April 2017**. Representations can be delivered to the Speaker, New Assembly Building, Parliament Street, Cape Town or mailed to the Speaker, P O Box 15, Cape Town 8000 or e-mailed to bmbete@parliament.gov.za and copied to pjmnguni@parliament.gov.za.

DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM
NOTICE 297 OF 2017

GENERAL NOTICE IN TERMS OF THE RESTITUTION OF LAND RIGHTS ACT 1994, (ACT No. 22 OF 1994) AS AMENDED.

Notice is hereby given in terms of Section 11(4) of the Restitution of Land Rights Act, 1994 (Act No.22 of 1994) as amended.

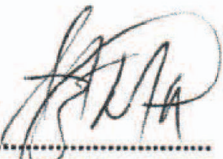
Reference Number	:	KRK6/2/3/A/1/0/331/78 (J553)
Dispossessed person (s)	:	Late Estate of Wallie Mohamed Essop
Claimant	:	Mrs. Amina Jardien
Property Description	:	Remainder of Erf 7124 Cape Town The Remainder of Erf 7124 Cape Town is now consolidated into Erf 113880 Cape Town
Extent	:	98m ²
Capacity	:	Ownership
Deed of Acquisition	:	T14117/1949
Deed of Dispossession	:	T14762/1975
Current Owners	:	City of Cape Town Municipality
Date Submitted	:	31 December 1998

The Regional Land Claims Commission investigated this claim in terms of provisions of the Act. Any party who has an interest in the above-mentioned land is hereby invited to submit, within 60 days from the publication of this notice, any comments / information to: The Regional Land Claims Commission: Western Cape, Private Bag X9163, Cape Town, 8000, Tel no: (021) 4090300 and Fax no: (021) 424-5146

Mr. L. H. Maphutha
Regional Land Claims Commissioner

APPROVED 

DATE 2017/02/31

CHECKED..... 

DATE..... 13/02/2017

DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NOTICE 298 OF 2017

GENERAL NOTICE IN TERMS OF THE RESTITUTION OF LAND RIGHTS ACT 1994, (ACT No. 22 OF 1994) AS AMENDED.

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. These claims for the restitution of land rights have been submitted to the Regional Land Claims Commissioner for the Western Cape. The particulars regarding this claim are as follow:

Reference Number	: KRK6/2/3/A/1/0/331/1104 (O33)
Dispossessed Person	: Mr and Mrs. W.H. Oliver
Property Description	: Erf 46886 Cape Town
Extent	: 458m²
Capacity	: Tenant
Date of Occupation	: From 1941 to 1967
Current Owner	:Bassingthwaighte Mark Douglas and Bassingthwaighte Julia Mary
Date Submitted	: 31-05-1996

The Regional Land Claims Commission will investigate this claim in terms of provisions of the Act in due course. Any party who has an interest in the above-mentioned land is hereby invited to submit, within 60 days from the publication of this notice, any comments / information to:

The Regional Land Claims Commission: Western Cape
Private Bag X9163
Cape Town
8000

Tel: (021) 409-0300
Fax: (021) 424-5146

APPROVED.....

MR L.H. MAPHUTHA
REGIONAL LAND CLAIMS COMMISSIONER
DATE: 2017/03/06

CHECKED.....

21/02/2017

DEPARTMENT OF RURAL DEVELOPMENT AND LAND REFORM

NOTICE 299 OF 2017

GENERAL NOTICE IN TERMS OF THE RESTITUTION OF LAND RIGHTS ACT 1994, (ACT No. 22 OF 1994) AS AMENDED.

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. This claim for the restitution of land rights is submitted to the Regional Land Claims Commissioner for the Western Cape. The particulars regarding this claim are as follow:

Reference Number : KRK 6/2/3/A/1/0/2101/5 (L530)
Property : Erf 387 in Darling
Current Owner : Mcilrae Shona Fern
Claimant : Isaac Loubser
Date Submitted : 23 December 1998

The Regional Land Claims Commission will investigate this claim in terms of provisions of the Act in due course. Any party who has an interest in the above-mentioned land is hereby invited to submit, within 60 days from the publication of this notice, any comments / information to:

The Regional Land Claims Commission: Western Cape
Private Bag X9163
Cape Town
8000

Tel: (021) 409-0300

Fax: (021) 424-5146

CHECKED.....

DATE.....22/02/2017

APPROVED.....

DATE.....2017/03/06

Mr. L.H Maphutha
Regional Land Claims Commissioner

BOARD NOTICES • RAADSKENNISGEWINGS

BOARD NOTICE 51 OF 2017**FINANCIAL SERVICES BOARD****FINANCIAL ADVISORY AND INTERMEDIARY SERVICES ACT, 2002****(ACT NO 37 OF 2002)****AMENDMENT NOTICE ON THE DETERMINATION OF RECOGNISED QUALIFICATIONS FOR
FINANCIAL SERVICES PROVIDERS AND COMPLIANCE OFFICERS**

I, Caroline Dey da Silva, the Deputy Registrar of Financial Services Providers, hereby under Part V of the Determination of Fit and Proper Requirements for Financial Services Providers, 2008, and section 17(1)(b) and (2)(a) of the Financial Advisory and Intermediary Services Act, 2002 (Act No. 37 of 2002), amend Annexure 2 to the Notice on the Determination of Qualifying Criteria and Qualifications for Financial Services Providers, Number 1 of 2008, and the Notice on Qualifications, Experience and Criteria for the Approval as a Compliance Officer, 2010, respectively as set out in the Schedule to this Notice.

This Notice is called the Amendment Notice on the Determination of Recognised Qualifications for Financial Services Providers and Compliance Officers, 2017.



CD da Silva,

Deputy Registrar of Financial Services Providers

SCHEDULE

**AMENDMENT NOTICE ON THE DETERMINATION OF RECOGNISED QUALIFICATIONS FOR FINANCIAL SERVICES PROVIDERS
AND COMPLIANCE OFFICERS**

Definition**1. In this Schedule -**

“the Notice” means the Notice on the Determination of Qualifying Criteria and Qualifications for Financial Services Providers, Number 1 of 2008, as published by Board Notice 105 of 2008 in Government Gazette No. 31514 of 15 October 2008; and

“the Notice on Compliance Officers” means the Notice on Qualifications, Experience and Criteria for the Approval as a Compliance Officer, 2010, as published by Board Notice 127 of 2010 in Government Gazette No. 33537 of 9 September 2010.

Amendment of Annexure 2 to the Notice**2. Annexure 2 of the Schedule to the Notice is hereby amended by –**

(a) the insertion on List 1 at the end of that List of the following recognised qualifications:

No	Qualification title	Inst No	Institution	SAQA ID	Level	Credits	Category 1 [Sub Categories Below]																					
							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	KI	
1010	ACCOUNTING TECHNICIANS CERTIFICATE	293	THE KENYA NATIONAL EXAMINATIONS COUNCIL	FSB0358	0	0	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
990	ADVANCED CERTIFICATE: MANAGEMENT STUDIES	76	MANAGEMENT COLLEGE OF SOUTH AFRICA (MANCOSA)	96712	6	120	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
944	ADVANCED CERTIFICATE:FINANCIAL PLANNING	265	MOONSTONE BUSINESS SCHOOL OF EXCELLENCE (PTY) LTD	83347 / 66612	6	125	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
944	ADVANCED CERTIFICATE:FINANCIAL PLANNING	4	MILPARK BUSINESS SCHOOL	96750	6	120	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
944	ADVANCED CERTIFICATE:FINANCIAL PLANNING	76	MANAGEMENT COLLEGE OF SOUTH AFRICA (MANCOSA)	93710	6	120	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G

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(b) the insertion on List 3 at the end of that List of the following recognised qualifications:

No	Qualification title	Inst No	Institution	SAQA ID	Level	Credits	Category 1 [Sub Categories Below]																							
							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
174	MANAGEMENT DEVELOPMENT PROGRAMME	47	DAMELIN	FSB0388	A	A																								

(c) the insertion on List 4 at the end of that List of the following recognised qualifications:

No	Qualification title	Inst No	Institution	SAQA ID	Level	Credits	Category 2 [Sub Categories Below]																							
							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1010	ACCOUNTING TECHNICIANS CERTIFICATE	293	THE KENYA NATIONAL EXAMINATIONS COUNCIL	FSB0358	0	0																								
990	ADVANCED CERTIFICATE: MANAGEMENT STUDIES	76	MANAGEMENT COLLEGE OF SOUTH AFRICA (MANCOSA)	96712	6	120																								
944	ADVANCED CERTIFICATE: FINANCIAL PLANNING	265	MOONSTONE BUSINESS SCHOOL OF EXCELLENCE (PTY) LTD	83347/66612	6	125																								
600	BACCALAUREUS COMPUTATIONIS	11	UNIVERSITY OF FREE STATE	16906	7	688																								
1039	BACCALAUREUS JURIS	300	UNIVERSITY OF NAMIBIA	FSB0389	0	0																								
1011	BACCALAUREUS SCIENTIAE: FINANCIAL MATHEMATICS	11	UNIVERSITY OF FREE STATE	FSB0360	0	0																								
746	BACHELOR OF ADMINISTRATION	11	UNIVERSITY OF FREE STATE	8555	7	440																								
1067	BACHELOR OF ADMINISTRATION: PUBLIC ADMINISTRATION	12	UNIVERSITY OF KWAZULU-NATAL	81823	7	384																								
1043	BACHELOR OF AGRICULTURE	11	UNIVERSITY OF FREE STATE	8475	7	360																								
187	BACHELOR OF ART HONOURS	12	UNIVERSITY OF KWAZULU-NATAL	84746	8	128																								
1023	BACHELOR OF ART: COMMUNICATION SCIENCE	1	UNISA	14169	360	7																								
87	BACHELOR OF ARTS	12	UNIVERSITY OF KWAZULU-NATAL	84727	7	360																								
972	BACHELOR OF ARTS: INVESTMENT & INTERNATIONAL RELATIONS	273	LONDON METROPOLITAN UNIVERSITY	FSB0326	0	0																								
1049	BACHELOR OF ARTS: BUSINESS ECONOMICS	253	UNIVERSITY OF LEEDS	FSB0397	0	0																								
1025	BACHELOR OF ARTS: BUSINESS STUDIES	299	THE MANCHESTER METROPOLITAN UNIVERSITY	FSB0374	0	0																								
279	BACHELOR OF ARTS: ECONOMICS	263	UNIVERSITY OF CAMBRIDGE	FSB0310	0	0																								
1004	BACHELOR OF ARTS: ECONOMICS AND INTERNATIONAL RELATIONS	289	CONNECTICUT COLLEGE NEW LONDON	FSB0353	0	0																								

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[illegible]

[illegible]

(d) the insertion on List 5 at the end of that List of the following recognised qualifications:

[illegible]

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[illegible]

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[illegible]

1082	BACHELOR OF COMMERCE: BUSINESS MANAGEMENT	25	NELSON MANDELA METROPOLITAN UNIVERSITY	FSB0434	0	0	G	G
966	BACHELOR OF COMMERCE: GENERAL	19	UNIVERSITY OF FORT HARE	FSB0322	0	0	G	G
983	BACHELOR OF COMMERCE: HUMAN RESOURCE MANAGEMENT, MARKETING	12	UNIVERSITY OF KWAZULU-NATAL	FSB0332	0	0	G	G
51	BACHELOR OF COMMERCE: ACCOUNTING	19	UNIVERSITY OF FORT HARE	17394	7	384	G	G
51	BACHELOR OF COMMERCE: ACCOUNTING	47	DAMELIN	58004	7	360	G	G
568	BACHELOR OF COMMERCE: ACCOUNTING	264	KINSHASA COLLEGE INSTITUTE OF COMMERCE	FSB0311	0	0	G	G
568	BACHELOR OF COMMERCE: ACCOUNTING	21	UNIVERSITY OF VENDA	FSB0394	0	0	G	G
197	BACHELOR OF COMMERCE: ACCOUNTING SCIENCES	5	UNIVERSITY OF PRETORIA	7033	7	493	G	G
734	BACHELOR OF COMMERCE: ACTUARIAL SCIENCE	11	UNIVERSITY OF FREE STATE	FSB0380	0	0	G	G
575	BACHELOR OF COMMERCE: AGRICULTURAL ECONOMICS	10	UNIVERSITY OF STELLENBOSCH	FSB0427	0	0	G	G
1058	BACHELOR OF COMMERCE: BUSINESS INFORMATICS	1	UNISA	86267	7	360	G	G
954	BACHELOR OF COMMERCE: BUSINESS MANAGEMENT WITH LAW	17	UNIVERSITY OF NORTH WEST	FSB0308	0	0	G	G
1042	BACHELOR OF COMMERCE: ECONOMICS	305	MCGILL UNIVERSITY	FSB0391	0	0	G	G
992	BACHELOR OF COMMERCE: ECONOMICS AND RISK MANAGEMENT	17	UNIVERSITY OF NORTH WEST	FSB0340	0	0	G	G
982	BACHELOR OF COMMERCE: FINANCIAL ACCOUNTANCY	9	UNIVERSITY OF CAPE TOWN	FSB0421	0	0	G	G
982	BACHELOR OF COMMERCE: FINANCIAL ACCOUNTANCY	17	UNIVERSITY OF NORTH WEST	FSB0341	0	0	G	G
691	BACHELOR OF COMMERCE: FINANCIAL MANAGEMENT	11	UNIVERSITY OF FREE STATE	16918	7	520	G	G
691	BACHELOR OF COMMERCE: FINANCIAL MANAGEMENT	76	MANAGEMENT COLLEGE OF SOUTH AFRICA (MANCOSA)	94677	7	360	G	G
1071	BACHELOR OF COMMERCE: GENERAL ACCOUNTING	14	UNIVERSITY OF PORT ELIZABETH	FSB0433	7	360	G	G
456	BACHELOR OF COMMERCE: INDUSTRIAL PSYCHOLOGY	172	UNIVERSITY OF ZULULAND	FSB0321	0	0	G	G
256	BACHELOR OF COMMERCE: INDUSTRIAL PSYCHOLOGY	21	UNIVERSITY OF VENDA	9411	7	476	G	G
994	BACHELOR OF COMMERCE: INVESTMENT MANAGEMENT AND BANKING	11	UNIVERSITY OF FREE STATE	FSB0351	0	0	G	G
643	BACHELOR OF COMMERCE: LAW	1	UNISA	FSB0362	0	0	G	G
643	BACHELOR OF COMMERCE: LAW	12	UNIVERSITY OF KWAZULU-NATAL	FSB0411	0	0	G	G
164	BACHELOR OF COMMERCE: LAW	11	UNIVERSITY OF FREE STATE	16909	6	360	G	G
164	BACHELOR OF COMMERCE: LAW	15	UNIVERSITY OF WESTERN CAPE	86172	7	375	G	G
898	BACHELOR OF COMMERCE: MANAGEMENT	328	THE UNIVERSITY OF SWAZILAND	FSB0431	0	0	G	G
419	BACHELOR OF COMMERCE: MANAGEMENT	80	LYCEUM COLLEGE	80286	7	432	G	G
996	BACHELOR OF COMMERCE: MANPOWER STRATEGY AND LABOUR RELATIONS	8	UNIVERSITY OF JOHANNESBURG	FSB0344	6	360	G	G
1018	BACHELOR OF COMMERCE: MATHEMATICAL SCIENCES	10	UNIVERSITY OF STELLENBOSCH	FSB0368	1	1	G	G
956	BACHELOR OF COMMERCE: PHILOSOPHY, POLITICS AND ECONOMICS	9	UNIVERSITY OF CAPE TOWN	15170	7	432	G	G
989	BACHELOR OF COMMERCE: PSYCHOLOGY	10	UNIVERSITY OF STELLENBOSCH	73553	7	407	G	G
1032	BACHELOR OF COMMERCE: RATIONUM	14	UNIVERSITY OF PORT ELIZABETH	91998	7	480	G	G
1048	BACHELOR OF COMMERCE: STRATEGIC SUPPLY MANAGEMENT	1	UNISA	FSB0395	0	0	G	G
993	BACHELOR OF COMMUNICATION: BUSINESS	205	BOND UNIVERSITY	FSB0343	0	0	G	G
1066	BACHELOR OF COMMUNICATION: MARKETING COMMUNICATION	8	UNIVERSITY OF JOHANNESBURG	80350	7	360	G	G
961	BACHELOR OF ECONOMIC SCIENCES	10	UNIVERSITY OF STELLENBOSCH	FSB0318	0	0	G	G
1026	BACHELOR OF ECONOMICS	300	UNIVERSITY OF NAMIBIA	FSB0375	0	0	G	G
1065	BACHELOR OF ECONOMICS: BUSINESS SCIENCES	19	UNIVERSITY OF FORT HARE	FSB0413	0	0	G	G
958	BACHELOR OF EDUCATION: ECONOMIC AND MANAGEMENT SCIENCES: FET	5	UNIVERSITY OF PRETORIA	15533	8	480	G	G
1027	BACHELOR OF ENGINEERING	5	UNIVERSITY OF PRETORIA	FSB0376	0	0	G	G
1053	BACHELOR OF ENGINEERING: CHEMICAL	10	UNIVERSITY OF STELLENBOSCH	FSB0401	0	0	G	G
988	BACHELOR OF ENGINEERING: INDUSTRIAL ENGINEERING	5	UNIVERSITY OF PRETORIA	5113	8	680	G	G
921	BACHELOR OF LAW (LLB)	11	UNIVERSITY OF FREE STATE	8861	8	752	G	G
950	BACHELOR OF LAW AND BACHELOR OF BUSINESS ADMINISTRATION: MARKETING	259	INTERDISCIPLINARY CENTER	FSB0303	0	0	G	G
1062	BACHELOR OF LAW: CANON AND CIVIL	318	NATIONAL UNIVERSITY OF IRELAND	FSB0409	0	0	G	G
871	BACHELOR OF LAWS	173	UNIVERSITY OF LONDON	FSB0385	0	0	G	G
258	BACHELOR OF LAWS	22	UNIVERSITY OF ZIMBABWE	FSB0315	0	0	G	G
1076	BACHELOR OF PERSONNEL LEADERSHIP	11	UNIVERSITY OF FREE STATE	FSB0432	0	0	G	G
1029	BACHELOR OF PERSONNEL MANAGEMENT	11	UNIVERSITY OF FREE STATE	FSB0378	0	0	G	G
1036	BACHELOR OF SCIENCE	303	UNIVERSITY OF CALIFORNIA	FSB0384	0	0	G	G
797	BACHELOR OF SCIENCE	7	UNIVERSITY OF THE WITWATERSRAND	9183	7	360	G	G
1059	BACHELOR OF SCIENCE AGRICULTURE: AGRICULTURAL ECONOMIC ANALYSIS	10	UNIVERSITY OF STELLENBOSCH	7297	7	549	G	G

1063	BACHELOR OF SCIENCE HONOURS: BUSINESS MANAGEMENT AND INFORMATION TECHNOLOGY	319	UNIVERSITY OF PLYMOUTH	FSB0410	0	0	0	G	G
1008	BACHELOR OF SCIENCE HONOURS: ECONOMICS	186	RHODES UNIVERSITY	FSB0356	0	0	0	G	G
1035	BACHELOR OF SCIENCE HONOURS: ECONOMICS	22	UNIVERSITY OF ZIMBABWE	FSB0383	0	0	0	G	G
828	BACHELOR OF SCIENCE: BUSINESS ADMINISTRATION	286	RASMUSSEN COLLEGE	FSB0348	0	0	0	G	G
828	BACHELOR OF SCIENCE: BUSINESS ADMINISTRATION	267	DREXEL UNIVERSITY, PHILADELPHIA PENNSYLVANIA	FSB0313	0	0	0	G	G
1030	BACHELOR OF SCIENCE: ELECTRO-MECHANICAL ENGINEERING	9	UNIVERSITY OF CAPE TOWN	13982	560	8	0	G	G
1003	BACHELOR OF SCIENCE: ENGINEERING ELECTRICAL ENGINEERING	288	PRINCETON UNIVERSITY, NEW JERSEY	FSB0352	0	0	0	G	G
959	BACHELOR OF SCIENCE: MANAGEMENT	268	UNIVERSITY OF MAURITIUS	FSB0314	0	0	0	G	G
1069	BACHELOR OF SCIENCE: MATHEMATICAL STATISTICS	5	UNIVERSITY OF PRETORIA	FSB0415	0	0	0	G	G
1021	BACHELOR OF SCIENCE: MATHEMATICS AND MANAGEMENT	173	UNIVERSITY OF LONDON	FSB0370	0	0	0	G	G
650	BACHELOR OF SCIENCE: STATISTICS AND ECONOMICS	9	UNIVERSITY OF CAPE TOWN	FSB0372	0	0	0	G	G
1050	BACHELOR OF SOCIAL SCIENCE: ECONOMICS	9	UNIVERSITY OF CAPE TOWN	FSB0399	0	0	0	G	G
1077	BACHELOR OF SOCIAL SCIENCE: HUMAN RESOURCE MANAGEMENT	9	UNIVERSITY OF CAPE TOWN	FSB0422	0	0	0	G	G
899	BACHELOR OF TECHNOLOGY: COST AND MANAGEMENT ACCOUNTING	279	MANGOSUTHU UNIVERSITY OF TECHNOLOGY	72278	7	480	0	G	G
899	BACHELOR OF TECHNOLOGY: COST AND MANAGEMENT ACCOUNTING	1	UNISA	62315	7	480	0	G	G
899	BACHELOR OF TECHNOLOGY: COST AND MANAGEMENT ACCOUNTING	199	WALTER SISULU UNIVERSITY	80131	7	480	0	G	G
1061	CERTIFICATE: ACCOUNTING	8	UNIVERSITY OF JOHANNESBURG	FSB0408	0	0	0	G	G
1016	CERTIFICATE OF RDR COMPLIANT QUALIFICATIONS	85	CHARTERED INSTITUTE FOR SECURITIES & INVESTMENT	FSB0364	0	0	0	G	G
586	CERTIFICATE: BUSINESS MANAGEMENT	274	SOUTH AFRICAN INSTITUTE OF MANAGEMENT	FSB0323	0	0	0	G	G
1084	CERTIFICATE: FINANCIAL SERVICES III	324	A & G TRAINING SERVICES	FSB0424	0	0	0	G	G
1022	CERTIFICATE: PRIVATE CLIENT INVESTMENT ADVICE AND MANAGEMENT	85	CHARTERED INSTITUTE FOR SECURITIES & INVESTMENT	FSB0371	0	0	0	G	G
1073	CHARTERED LIFE UNDERWRITER	322	THE AMERICAN COLLEGE	FSB0436	0	0	0	G	G
860	DIPLOM-KAUFMANN (MASTER IN BUSINESS ADMINISTRATION)	217	WESTFAELISCHE WILHELMS UNIVERSITÄT, MÜNSTER (GERMANY)	FSB0219	0	0	0	G	G
1013	DIPLOMA VISOKOG OBRZOVANJA (ECONOMICS: TOURISM)	291	UNIVERSITY OF BELGRADE	FSB0355	0	0	0	G	G
984	DIPLOMA: ADMINISTRATIVE MANAGEMENT	250	CENTURION AKADEMIE	36129	5	240	0	G	G
1052	DIPLOMA: ACCOUNTING	311	INSTITUTE OF ADMINISTRATION AND COMMERCE	35957	6	420	0	G	G
997	DIPLOMA: ADVANCED MANAGEMENT	76	MANAGEMENT COLLEGE OF SOUTH AFRICA (MANCOSA)	36077	6	245	0	G	G
979	DIPLOMA: MARKETING AND BUSINESS MANAGEMENT	47	DAMELIN	FSB0330	0	0	0	G	G
1034	DIPLOMA: MARKETING AND ENTREPRENEURSHIP	302	SGS MARKETING	61593	5	243	0	G	G
1045	DIPLOMA: MUNICIPAL MANAGEMENT	306	MOSCOW STATE HUMANITIES UNIVERSITY	FSB0393	0	0	0	G	G
1040	DIPLOMA: COMMERCIAL LAW	47	DAMELIN	FSB0390	0	0	0	G	G
1074	DOCTORAAL: ECONOMIE	323	ERASMUS UNIVERSITY OF ROTTERDAM	FSB0420	0	0	0	G	G
1072	EXECUTIVE DEVELOPMENT PROGRAM	1	UNISA	FSB0418	0	0	0	G	G
1001	FAHIGKEITZEUGNIS	287	KV ZÜRICH BUSINESS SCHOOL	FSB0349	0	0	0	G	G
1051	FOUNDATION PROGRAMME: ECONOMIC SCIENCES	8	UNIVERSITY OF JOHANNESBURG	FSB0400	0	0	0	G	G
976	FURTHER EDUCATION AND TRAINING CERTIFICATE: MICRO FINANCE	192	SGS FINANCIAL SERVICES	23433	4	144	0	G	G
737	HIGHER CERTIFICATE: FINANCIAL PLANNING	4	MILPARK BUSINESS SCHOOL	96751	0	0	0	G	G
827	HIGHER CERTIFICATE IN INSURANCE (LIFE ASSURANCE)	1	UNISA	20411	5	120	0	G	G
826	HIGHER CERTIFICATE IN INSURANCE (RETIREMENT FUNDS)	1	UNISA	20411	5	120	0	G	G
969	HIGHER CERTIFICATE: BUSINESS MANAGEMENT	252	REGENESYS BUSINESS SCHOOL	84046	5	120	0	G	G
969	HIGHER CERTIFICATE: BUSINESS MANAGEMENT	76	MANAGEMENT COLLEGE OF SOUTH AFRICA (MANCOSA)	86347	5	120	0	G	G
1006	HIGHER CERTIFICATE: ACCOUNTING SCIENCES	1	UNISA	82106	5	120	0	G	G
1047	HIGHER CERTIFICATE: BUSINESS ADMINISTRATION	307	TSIBA	84186	5	130	0	G	G
602	HIGHER CERTIFICATE: COMMERCE: FINANCIAL PLANNING	47	DAMELIN	21181	5	160	0	G	G
1041	HIGHER CERTIFICATE: FINANCIAL PRODUCTS	4	MILPARK BUSINESS SCHOOL	97754	5	120	0	G	G
1080	ICA PROFESSIONAL POSTGRADUATE DIPLOMA IN GOVERNANCE, RISK AND COMPLIANCE	327	THE UNIVERSITY OF MANCHESTER	FSB0428	0	0	0	G	G
1075	INSURANCE AND RISK MANAGEMENT	7	UNIVERSITY OF THE WITWATERSRAND	FSB0419	0	0	0	G	G
1057	INVESTMENT ADMINISTRATION QUALIFICATION	316	SECURITIES INSTITUTE	FSB0406	0	0	0	G	G
1037	LICENCE EN DROIT	261	THE UNIVERSITY OF YAOUNDE II	FSB0386	0	0	0	G	G
952	LICENCE EN SCIENCES: ECONOMIE MATHEMATIQUE et ECONOMETRIE	261	THE UNIVERSITY OF YAOUNDE II	FSB0306	0	0	0	G	G

957	LISANS DIPLOMASI (IKTISAT)	266	CELAL BAYAR UNIVERSITESI	FSB0312	0	0	0	G	G
974	MAGISTRA DER SOZIAL-UND WIRTSCHAFTSWISSENSCHAFTEN: SOCIAL AND ECONOMIC SCIENCE	275	UNIVERSITAT WIEN	FSB0327	0	0	0	G	G
985	MAGISTRI IN ARTIBUS AD LEGES ET RES DIPLOMATICAS PERTINENTIBUS	280	UNIVERSITAS TUFTENSIS	FSB0335	0	0	0	G	G
1070	MANAGEMENT DEVELOPMENT DIPLOMA PROGRAMME	25	NELSON MANDELA METROPOLITAN UNIVERSITY	FSB0416	6	242	0	G	G
995	MASTER OF ARTS	281	LONG ISLAND UNIVERSITY	FSB0338	0	0	0	G	G
1024	MASTER OF ARTS: ACCOUNTANCY	298	UNIVERSITY OF ABERDEEN	FSB0373	0	0	0	G	G
1060	MASTER OF ARTS: INTERNATIONAL AFFAIRS	317	JOHNS HOPKINS UNIVERSITY	FSB0407	0	0	0	G	G
991	MASTER OF ARTS: MANAGEMENT	282	UNIVERITE DE FRIBOURG	FSB0339	0	0	0	G	G
1019	MASTER OF BUSINESS ADMINISTRATION	252	REGENESYS BUSINESS SCHOOL	97886	9	225	0	G	G
931	MASTER OF BUSINESS ADMINISTRATION	312	VANDEBILT UNIVERSITY	FSB0402	0	0	0	G	G
931	MASTER OF BUSINESS ADMINISTRATION	314	HARVARD UNIVERSITY	FSB0404	0	0	0	G	G
931	MASTER OF BUSINESS ADMINISTRATION	329	STATE UNIVERSITY OF NEW YORK	FSB0426	0	0	0	G	G
931	MASTER OF BUSINESS ADMINISTRATION	263	UNIVERSITY OF CAMBRIDGE	FSB0435	9	180	0	G	G
931	MASTER OF BUSINESS ADMINISTRATION	320	IE BUSINESS SCHOOL	FSB0414	0	0	0	G	G
931	MASTER OF BUSINESS ADMINISTRATION	269	UNIVERSITY OF PENNSYLVANIA	FSB0317	0	0	0	G	G
931	MASTER OF BUSINESS ADMINISTRATION	277	SOUTHERN METHODIST UNIVERSITY	FSB0331	0	0	0	G	G
931	MASTER OF BUSINESS ADMINISTRATION	294	GEORGIA SOUTHERN UNIVERSITY	FSB0361	0	0	0	G	G
931	MASTER OF BUSINESS ADMINISTRATION	295	UNIVERSITY OF NAIROBI	FSB0430	0	0	0	G	G
931	MASTER OF BUSINESS ADMINISTRATION	321	TEL AVIV UNIVERSITY	FSB0417	0	0	0	G	G
504	MASTER OF BUSINESS ADMINISTRATION	252	REGENESYS BUSINESS SCHOOL	58185	8	240	0	G	G
504	MASTER OF BUSINESS ADMINISTRATION	162	REGENT BUSINESS SCHOOL (PTY) LTD	73297	8	300	0	G	G
504	MASTER OF BUSINESS ADMINISTRATION	310	HARVARD UNIVERSITY	96395	9	210	0	G	G
980	MASTER OF BUSINESS ADMINISTRATION: GENERAL	162	REGENT BUSINESS SCHOOL (PTY) LTD	73297	8	300	0	G	G
1007	MASTER OF ENGINEERING: ENGINEERING MANAGEMENT	10	UNIVERSITY OF STELLENBOSCH	71809	9	144	0	G	G
1079	MASTER OF SCIENCE: BUSINESS MANAGEMENT	325	EDINBURGH NAPIER UNIVERSITY	FSB0425	0	0	0	G	G
1044	MASTER OF SCIENCE: ECONOMICS	173	UNIVERSITY OF LONDON	FSB0392	0	0	0	G	G
1055	MASTER OF SCIENCE: FINANCIAL ECONOMICS	315	OXFORD UNIVERSITY	FSB0405	0	0	0	G	G
1005	MASTER OF SCIENCE: INDUSTRIAL AND ADMINISTRATIVE SCIENCES	290	CITY UNIVERSITY LONDON	FSB0354	0	0	0	G	G
1033	MASTER OF SCIENCE: INSURANCE AND RISK MANAGEMENT	290	CITY UNIVERSITY LONDON	FSB0382	0	0	0	G	G
463	MASTER OF TECHNOLOGY: BUSINESS ADMINISTRATION	26	PORT ELIZABETH TECHNIKON	87185	8	120	0	G	G
977	NATIONAL CERTIFICATE: BUSINESS AND FINANCE	276	EDEXCEL EAST SURREY COLLEGE	FSB0328	0	0	0	G	G
120	NATIONAL DIPLOMA: MARKETING AND SALES MANAGEMENT	5	UNIVERSITY OF PRETORIA	FSB0359	0	0	0	G	G
1078	NATIONAL DIPLOMA: ENTREPRENEURSHIP	1	UNISA	FSB0423	0	0	0	G	G
978	NATIONAL DIPLOMA: ACCOUNTANCY	168	ZIMBABWE MINISTRY OF HIGHER EDUCATION AND TECHNOLOGY	FSB0329	0	0	0	G	G
685	NATIONAL DIPLOMA: ACCOUNTING	272	DURBAN COMPUTER COLLEGE	24414	6	360	0	G	G
624	NATIONAL DIPLOMA: ACCOUNTING	1	UNISA	62367	0	0	0	G	G
1031	NATIONAL DIPLOMA: COST ACCOUNTING	34	TSHWANE UNIVERSITY OF TECHNOLOGY	FSB0381	0	0	0	G	G
676	NATIONAL DIPLOMA: COST AND MANAGEMENT ACCOUNTING	25	NELSON MANDELA METROPOLITAN UNIVERSITY	87115	6	360	0	G	G
676	NATIONAL DIPLOMA: COST AND MANAGEMENT ACCOUNTING	129	TECHNIKON SA	62379	6	360	0	G	G
975	NATIONAL DIPLOMA: ECONOMICS	25	NELSON MANDELA METROPOLITAN UNIVERSITY	71635	6	375	0	G	G
987	NATIONAL DIPLOMA: FINANCE AND ACCOUNTING PUBLIC	5	UNIVERSITY OF PRETORIA	FSB0337	0	0	0	G	G
967	NATIONAL DIPLOMA: FINANCE AND ACCOUNTING PUBLIC	34	TSHWANE UNIVERSITY OF TECHNOLOGY	72584	6	360	0	G	G
967	NATIONAL DIPLOMA: FINANCE AND ACCOUNTING PUBLIC	1	UNISA	62391	6	360	0	G	G
530	NATIONAL DIPLOMA: FINANCIAL INFORMATION SYSTEMS	25	NELSON MANDELA METROPOLITAN UNIVERSITY	87122	6	360	0	G	G
973	NATIONAL DIPLOMA: FINANCIAL INFORMATION SYSTEMS	199	WALTER SISULU UNIVERSITY	80163	6	360	0	G	G
723	NATIONAL DIPLOMA: HUMAN RESOURCES MANAGEMENT	199	WALTER SISULU UNIVERSITY	80166	6	360	0	G	G
475	NATIONAL DIPLOMA: INTERNAL AUDITING	72	CENTRAL UNIVERSITY OF TECHNOLOGY FREE STATE	65327	360	6	0	G	G
960	NATIONAL DIPLOMA: INTERNAL AUDITING	11	UNIVERSITY OF FREE STATE	FSB0316	0	0	0	G	G
947	NATIONAL DIPLOMA: LABOUR RELATIONS	86	VAAL UNIVERSITY OF TECHNOLOGY	72739	6	360	0	G	G
1056	NATIONAL DIPLOMA: LOGISTICS	86	VAAL UNIVERSITY OF TECHNOLOGY	86686	6	390	0	G	G
725	NATIONAL DIPLOMA: MARKETING	1	UNISA	62403	6	360	0	G	G

725	NATIONAL DIPLOMA: MARKETING	25	NELSON MANDELA METROPOLITAN UNIVERSITY	87131	6	360	G	G
856	NATIONAL DIPLOMA: RETAIL BUSINESS MANAGEMENT	68	COMMITTEE OF TECHNIKON PRINCIPALS	785	6	360	G	G
962	POSTGRADUATE DIPLOMA: MARKETING MANAGEMENT	1	UNISA	F580320	0	0	G	G
606	POSTGRADUATE DIPLOMA IN FINANCIAL PLANNING	12	UNIVERSITY OF KWAZULU-NATAL	98919	8	128	G	G
1081	POSTGRADUATE DIPLOMA IN MANAGEMENT: ENTERPRISE MANAGEMENT	9	UNIVERSITY OF CAPE TOWN	F580429	0	0	G	G
1068	POSTGRADUATE DIPLOMA IN MANAGEMENT: MARKETING	9	UNIVERSITY OF CAPE TOWN	94556	8	180	G	G
970	POSTGRADUATE DIPLOMA: BUSINESS MANAGEMENT	252	REGENESYS BUSINESS SCHOOL	84066	8	120	G	G
970	POSTGRADUATE DIPLOMA: BUSINESS MANAGEMENT	76	MANAGEMENT COLLEGE OF SOUTH AFRICA (MANCOSA)	84947	8	120	G	G
970	POSTGRADUATE DIPLOMA: BUSINESS MANAGEMENT	25	NELSON MANDELA METROPOLITAN UNIVERSITY	90542	8	120	G	G
971	POSTGRADUATE DIPLOMA: PROJECT MANAGEMENT	76	MANAGEMENT COLLEGE OF SOUTH AFRICA (MANCOSA)	62110	8	120	G	G
1000	POSTGRADUATE DIPLOMA: BUSINESS ADMINISTRATION	285	ICFAN BUSINESS SCHOOL	F580347	0	0	G	G
999	POSTGRADUATE DIPLOMA: MANAGEMENT AND FINANCE	284	BIRMINGHAM CITY UNIVERSITY	F580346	0	0	G	G
1046	POSTGRADUATE DIPLOMA: SMALL ENTERPRISE CONSULTING	307	TSIBA	90822	8	120	G	G
1054	POSTGRADUATE: EXECUTIVE MANAGEMENT PROGRAMME	313	S.P JAIN INSTITUTE OF MANAGEMENT & RESEARCH	F580403	0	0	G	G

(f) the insertion on List 9 at the end of that List of the following recognised qualifications:

No	Qualification title	Inst No	Institution	SAQA ID	Level	Credits	Category 4 [Sub Categories Below]	
174	MANAGEMENT DEVELOPMENT PROGRAMME	47	DAMELIN	F580388	0	0	1	KI

Amendment of Annexure 2 to the Notice on Compliance Officers

3. Annexure 2 of the Schedule to the Notice on Compliance Officers is hereby amended by –

(a) the insertion on Annexure 2 at the end of that Annexure of the following recognised qualifications:

No	Qualification title	Inst No	Institution	SAQA ID	Level	Credits	Recognition
1020	ADVANCED PROGRAMME: RISK MANAGEMENT	1	UNISA	F580369	0	0	G
600	BACCALAUREUS COMPUTATIONIS	11	UNIVERSITY OF FREE STATE	15906	7	688	G
1039	BACCALAUREUS JURIS	300	UNIVERSITY OF NAMIBIA	F580389	0	0	G
746	BACHELOR OF ADMINISTRATION	11	UNIVERSITY OF FREE STATE	8555	7	440	G
1067	BACHELOR OF ADMINISTRATION: PUBLIC ADMINISTRATION	12	UNIVERSITY OF KWAZULU-NATAL	81823	7	384	G
1043	BACHELOR OF AGRICULTURE	11	UNIVERSITY OF FREE STATE	8475	7	360	G
87	BACHELOR OF ARTS	12	UNIVERSITY OF KWAZULU-NATAL	84727	7	360	G
972	BACHELOR OF ARTS: INVESTMENT & INTERNATIONAL RELATIONS	273	LONDON METROPOLITAN UNIVERSITY	F580326	0	0	G
1025	BACHELOR OF ARTS: BUSINESS STUDIES	299	THE MANCHESTER METROPOLITAN UNIVERSITY	F580374	0	0	G
1004	BACHELOR OF ARTS: ECONOMICS AND INTERNATIONAL RELATIONS	289	CONNECTICUT COLLEGE NEW LONDON	F580353	0	0	G
289	BACHELOR OF BUSINESS ADMINISTRATION	252	REGENESYS BUSINESS SCHOOL	84027	7	360	G
289	BACHELOR OF BUSINESS ADMINISTRATION	307	TSIBA	61469	7	369	G
867	BACHELOR OF BUSINESS ADMINISTRATION	278	SOLUSI UNIVERSITY	F580333	0	0	G
867	BACHELOR OF BUSINESS ADMINISTRATION	283	UNIVERSITY OF PHOENIX	F580342	0	0	G
867	BACHELOR OF BUSINESS ADMINISTRATION	308	UNIVERSITY OF MALAWI	F580396	0	0	G
867	BACHELOR OF BUSINESS ADMINISTRATION	309	MING CHUAN UNIVERSITY	F580398	0	0	G
963	BACHELOR OF BUSINESS ADMINISTRATION: BUSINESS MANAGEMENT	12	UNIVERSITY OF KWAZULU-NATAL	72833	7	384	G
1064	BACHELOR OF BUSINESS ADMINISTRATION: ECONOMICS	9	UNIVERSITY OF CAPE TOWN	F580412	9	120	G
964	BACHELOR OF COMMERCE	77	INDEPENDENT INSTITUTE OF EDUCATION	84706	7	366	G

518	BACHELOR OF COMMERCE	25	NELSON MANDELA METROPOLITAN UNIVERSITY	87057	7	360	G
1014	BACHELOR OF COMMERCE HONOURS: BUSINESS MANAGEMENT	1	UNISA	FSB0363	0	0	G
568	BACHELOR OF COMMERCE: ACCOUNTING	21	UNIVERSITY OF VENDA	FSB0394	0	0	G
51	BACHELOR OF COMMERCE: ACCOUNTING	19	UNIVERSITY OF FORT HARE	17394	7	384	G
51	BACHELOR OF COMMERCE: ACCOUNTING	47	DAMELIN	58004	7	360	G
197	BACHELOR OF COMMERCE: ACCOUNTING SCIENCES	5	UNIVERSITY OF PRETORIA	7033	7	493	G
513	BACHELOR OF COMMERCE: BANKING	172	UNIVERSITY OF ZULULAND	FSB0294	0	0	G
1058	BACHELOR OF COMMERCE: BUSINESS INFORMATICS	1	UNISA	86267	7	360	G
1042	BACHELOR OF COMMERCE: ECONOMICS	305	MCGILL UNIVERSITY	FSB0391	0	0	G
992	BACHELOR OF COMMERCE: ECONOMICS AND RISK MANAGEMENT	17	UNIVERSITY OF NORTH WEST	FSB0340	0	0	G
982	BACHELOR OF COMMERCE: FINANCIAL ACCOUNTANCY	9	UNIVERSITY OF CAPE TOWN	FSB0421	0	0	G
691	BACHELOR OF COMMERCE: FINANCIAL MANAGEMENT	1	UNISA	0201 1 FIM	6	360	G
1071	BACHELOR OF COMMERCE: GENERAL ACCOUNTING	14	UNIVERSITY OF PORT ELIZABETH	FSB0433	7	360	G
256	BACHELOR OF COMMERCE: INDUSTRIAL PSYCHOLOGY	21	UNIVERSITY OF VENDA	9411	7	476	G
994	BACHELOR OF COMMERCE: INVESTMENT MANAGEMENT AND BANKING	11	UNIVERSITY OF FREE STATE	FSB0351	0	0	G
164	BACHELOR OF COMMERCE: LAW	15	UNIVERSITY OF WESTERN CAPE	86172	7	375	G
643	BACHELOR OF COMMERCE: LAW	1	UNISA	FSB0362	0	0	G
643	BACHELOR OF COMMERCE: LAW	12	UNIVERSITY OF KWAZULU-NATAL	FSB0411	0	0	G
419	BACHELOR OF COMMERCE: MANAGEMENT	80	LYCEUM COLLEGE	80286	7	432	G
898	BACHELOR OF COMMERCE: MANAGEMENT	328	THE UNIVERSITY OF SWAZILAND	FSB0431	0	0	G
996	BACHELOR OF COMMERCE: MANPOWER STRATEGY AND LABOUR RELATIONS	8	UNIVERSITY OF JOHANNESBURG	FSB0344	6	360	G
1018	BACHELOR OF COMMERCE: MATHEMATICAL SCIENCES	10	UNIVERSITY OF STELLENBOSCH	FSB0368	1	1	G
956	BACHELOR OF COMMERCE: PHILOSOPHY, POLITICS AND ECONOMICS	9	UNIVERSITY OF CAPE TOWN	15170	7	432	G
1032	BACHELOR OF COMMERCE: RATIONUM	14	UNIVERSITY OF PORT ELIZABETH	91998	7	480	G
1048	BACHELOR OF COMMERCE: STRATEGIC SUPPLY MANAGEMENT	1	UNISA	FSB0395	0	0	G
1065	BACHELOR OF ECONOMICS: BUSINESS SCIENCES	19	UNIVERSITY OF FORT HARE	FSB0413	0	0	G
921	BACHELOR OF LAW (LLB)	11	UNIVERSITY OF FREE STATE	8861	8	752	G
950	BACHELOR OF LAW AND BACHELOR OF BUSINESS ADMINISTRATION: MARKETING	259	INTERDISCIPLINARY CENTER	FSB0303	0	0	G
1062	BACHELOR OF LAW: CANON AND CIVIL	318	NATIONAL UNIVERSITY OF IRELAND	FSB0409	0	0	G
871	BACHELOR OF LAWS	173	UNIVERSITY OF LONDON	FSB0385	0	0	G
677	BACHELOR OF LAWS (LLB)	5	UNIVERSITY OF PRETORIA	6875	6	528	G
1076	BACHELOR OF PERSONNEL LEADERSHIP	11	UNIVERSITY OF FREE STATE	FSB0432	0	0	G
1069	BACHELOR OF SCIENCE: MATHEMATICAL STATISTICS	5	UNIVERSITY OF PRETORIA	FSB0415	0	0	G
1021	BACHELOR OF SCIENCE: MATHEMATICS AND MANAGEMENT	173	UNIVERSITY OF LONDON	FSB0370	0	0	G
650	BACHELOR OF SCIENCE: STATISTICS AND ECONOMICS	9	UNIVERSITY OF CAPE TOWN	FSB0372	0	0	G
1050	BACHELOR OF SOCIAL SCIENCE: ECONOMICS	9	UNIVERSITY OF CAPE TOWN	FSB0399	0	0	G
899	BACHELOR OF TECHNOLOGY: COST AND MANAGEMENT ACCOUNTING	199	WALTER SISULU UNIVERSITY	80131	7	480	G
899	BACHELOR OF TECHNOLOGY: COST AND MANAGEMENT ACCOUNTING	279	MANGOSUTHU UNIVERSITY OF TECHNOLOGY	72278	7	480	G
1016	CERTIFICATE OF RDR COMPLIANT QUALIFICATIONS	85	CHARTERED INSTITUTE FOR SECURITIES & INVESTMENT	FSB0364	0	0	G
981	DIPLOMA: ADVANCED BUSINESS MANAGEMENT: ENTERPRISE RISK MANAGEMENT	8	UNIVERSITY OF JOHANNESBURG	77044	6	240	G
345	DIPLOMA: MARKETING MANAGEMENT	101	IMM GRADUATE SCHOOL OF MARKETING	79546	6	360	G
1045	DIPLOMA: MUNICIPAL MANAGEMENT	306	MOSCOW STATE HUMANITIES UNIVERSITY	FSB0393	0	0	G
1072	EXECUTIVE DEVELOPMENT PROGRAM	1	UNISA	FSB0418	0	0	G
1001	FAHIGETSZEGNIS	287	KV ZURICH BUSINESS SCHOOL	FSB0349	0	0	G
1080	ICA PROFESSIONAL POSTGRADUATE DIPLOMA IN GOVERNANCE, RISK AND COMPLIANCE	327	THE UNIVERSITY OF MANCHESTER	FSB0428	0	0	G
159	INTERNATIONAL DIPLOMA IN COMPLIANCE	116	INTERNATIONAL COMPLIANCE ASSOCIATION	FSB 010	0	0	G
1057	INVESTMENT ADMINISTRATION QUALIFICATION	316	SECURITIES INSTITUTE	FSB0406	0	0	G
1002	JURIS DOCTOR	226	HOFSTRA UNIVERSITY (NEW YORK)	FSB0350	0	0	G
1037	LICENCE EN DROIT	261	THE UNIVERSITY OF YAOUNDE II	FSB0386	0	0	G
974	MAGISTRA DER SOZIAL- UND WIRTSCHAFTSWISSENSCHAFTEN: SOCIAL AND ECONOMIC SCIENCE	275	UNIVERSITÄT WIEN	FSB0327	0	0	G
1070	MANAGEMENT DEVELOPMENT DIPLOMA PROGRAMME	25	NELSON MANDELA METROPOLITAN UNIVERSITY	FSB0416	6	242	G
1019	MASTER OF BUSINESS ADMINISTRATION	252	REGENESYS BUSINESS SCHOOL	97886	9	225	G

931	MASTER OF BUSINESS ADMINISTRATION	263	UNIVERSITY OF CAMBRIDGE	FSB0435	9	180	G
931	MASTER OF BUSINESS ADMINISTRATION	277	SOUTHERN METHODIST UNIVERSITY	FSB0331	0	0	G
931	MASTER OF BUSINESS ADMINISTRATION	295	UNIVERSITY OF NAIROBI	FSB0430	0	0	G
931	MASTER OF BUSINESS ADMINISTRATION	312	VANDERBILT UNIVERSITY	FSB0402	0	0	G
931	MASTER OF BUSINESS ADMINISTRATION	320	IE BUSINESS SCHOOL	FSB0414	0	0	G
931	MASTER OF BUSINESS ADMINISTRATION	321	TEL AVIV UNIVERSITY	FSB0417	0	0	G
931	MASTER OF BUSINESS ADMINISTRATION	329	STATE UNIVERSITY OF NEW YORK	FSB0426	0	0	G
504	MASTER OF BUSINESS ADMINISTRATION	162	REGENT BUSINESS SCHOOL (PTY) LTD	73297	8	300	G
504	MASTER OF BUSINESS ADMINISTRATION	252	REGENESYS BUSINESS SCHOOL	58185	8	240	G
504	MASTER OF BUSINESS ADMINISTRATION	310	HARVARD UNIVERSITY	96395	9	210	G
980	MASTER OF BUSINESS ADMINISTRATION: GENERAL	162	REGENT BUSINESS SCHOOL (PTY) LTD	73297	8	300	G
1079	MASTER OF SCIENCE: BUSINESS MANAGEMENT	325	EDINBURGH NAPIER UNIVERSITY	FSB0425	0	0	G
1033	MASTER OF SCIENCE: INSURANCE AND RISK MANAGEMENT	290	CITY UNIVERSITY LONDON	FSB0382	0	0	G
463	MASTER OF TECHNOLOGY: BUSINESS ADMINISTRATION	26	PORT ELIZABETH TECHNIKON	87185	8	120	G
1078	NATIONAL DIPLOMA: ENTREPRENEURSHIP	1	UNISA	FSB0423	0	0	G
1031	NATIONAL DIPLOMA: COST ACCOUNTING	34	TSHWANE UNIVERSITY OF TECHNOLOGY	FSB0381	0	0	G
676	NATIONAL DIPLOMA: COST AND MANAGEMENT ACCOUNTING	25	NELSON MANDELA METROPOLITAN UNIVERSITY	87115	6	360	G
975	NATIONAL DIPLOMA: ECONOMICS	25	NELSON MANDELA METROPOLITAN UNIVERSITY	71635	6	375	G
987	NATIONAL DIPLOMA: FINANCE AND ACCOUNTING PUBLIC	5	UNIVERSITY OF PRETORIA	FSB0337	0	0	G
967	NATIONAL DIPLOMA: FINANCE AND ACCOUNTING PUBLIC	1	UNISA	62391	6	360	G
967	NATIONAL DIPLOMA: FINANCE AND ACCOUNTING PUBLIC	34	TSHWANE UNIVERSITY OF TECHNOLOGY	72584	6	360	G
973	NATIONAL DIPLOMA: FINANCIAL INFORMATION SYSTEMS	199	WALTER SISULU UNIVERSITY	80163	6	360	G
530	NATIONAL DIPLOMA: FINANCIAL INFORMATION SYSTEMS	25	NELSON MANDELA METROPOLITAN UNIVERSITY	87122	6	360	G
475	NATIONAL DIPLOMA: INTERNAL AUDITING	72	CENTRAL UNIVERSITY OF TECHNOLOGY FREE STATE	65327	360	6	G
178	NATIONAL DIPLOMA: INTERNAL AUDITING	68	COMMITTEE OF TECHNIKON PRINCIPALS	2165	6	360	G
924	NATIONAL DIPLOMA: MANAGEMENT	34	TSHWANE UNIVERSITY OF TECHNOLOGY	48640	6	360	G
606	POSTGRADUATE DIPLOMA IN FINANCIAL PLANNING	12	UNIVERSITY OF KWAZULU-NATAL	98919	8	128	G
970	POSTGRADUATE DIPLOMA: BUSINESS MANAGEMENT	252	REGENESYS BUSINESS SCHOOL	84066	8	120	G
971	POSTGRADUATE DIPLOMA: PROJECT MANAGEMENT	76	MANAGEMENT COLLEGE OF SOUTH AFRICA (MANCOSA)	62110	8	120	G
1000	POSTGRADUATE DIPLOMA: BUSINESS ADMINISTRATION	285	ICFAIAN BUSINESS SCHOOL	FSB0347	0	0	G
1046	POSTGRADUATE DIPLOMA: SMALL ENTERPRISE CONSULTING	307	TSIBA	90822	8	120	G

BOARD NOTICE 52 OF 2017
FINANCIAL SERVICES BOARD

FINANCIAL MARKETS ACT, 2012

PROPOSED AMENDMENTS TO THE JSE LISTING REQUIREMENTS

I, Dube Phineas Tshidi, Registrar of Securities Services, hereby give notice under section 71(3) (b) of the Financial Markets Act, 2012 (Act No. 19 of 2012) that the proposed amendments to the JSE Listing Requirements have been published on the official website of the Financial Services Board (www.fsb.co.za) for public comment. All interested persons who have any objections to the proposed amendments are hereby called upon to lodge their objections with the Registrar of Securities Services, at the following email address: Michael.Kabai@fsb.co.za, within a period of 14 days from the date of publication of this notice.



D P TSHIDI

REGISTRAR OF SECURITIES SERVICES

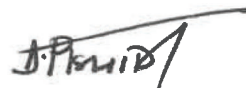
BOARD NOTICE 53 OF 2017**FINANCIAL SERVICES BOARD****FINANCIAL MARKETS ACT, 2012****PROPOSED AMENDMENTS TO THE JSE LISTING REQUIREMENTS**

I, Dube Phineas Tshidi, Registrar of Securities Services, hereby give notice under section 71(3) (b) of the Financial Markets Act, 2012 (Act No. 19 of 2012) that the proposed amendments to the JSE Listing Requirements have been published on the official website of the Financial Services Board (www.fsb.co.za) for public comment. All interested persons who have any objections to the proposed amendments are hereby called upon to lodge their objections with the Registrar of Securities Services, at the following email address: Michael.Kabai@fsb.co.za, within a period of 14 days from the date of publication of this notice.

**D P TSHIDI****REGISTRAR OF SECURITIES SERVICES**

BOARD NOTICE 54 OF 2017**FINANCIAL SERVICES BOARD****FINANCIAL MARKETS ACT, 2012****PROPOSED AMENDMENTS TO THE STRATE RULES: PUBLICATION FOR COMMENT**

I Dube Phineas Tshidi, Registrar of Securities Services, hereby give notice under section 71(3)(b)(ii) of the Financial Markets Act 19 of 2012 that the proposed amendments to the Strate Rules have been published on the official website of the Financial Services Board (www.fsb.co.za) for public comment. All interested persons who have any objections to the proposed amendments are hereby called upon to lodge their objections with the Registrar of Securities Services, at the following email address: Michael.Kabai@FSB.co.za within a period of 14 days from the date of publication of this notice.


D P TSHIDI**REGISTRAR OF SECURITIES SERVICES**

BOARD NOTICE 55 OF 2017**The South African Council for the Project and Construction Management Professions (SACPCMP)**

The South African Council for the Project and Construction Management Professions (SACPCMP) is a statutory body established in terms of the Project and Construction Management Professions Act (**Act No.48 of 2000**). In terms of Section 13(k) of the SACPCMP Act No. 48 of 2000, the Council is empowered to determine the conditions relating to the Continuing Professional Development (CPD) of registered persons relating to Construction Management, Construction Project Management, Construction Health and Safety (CHS) to protect the public interest and advance project and construction management and construction health and safety education.

As published for public comment in Board Notice **189 of 2016** published in Government Gazette No. **40480** on the **9th of December 2016**, the commencement date of the amended Continuing Professional Development (CPD) Policy as approved by Council is the **1st April 2017**

The approved Continuing Professional Development (CPD) policy can be downloaded at www.sacpcmp.org.za

By Notice on behalf of Council:

Ms. Nomvula Rakolote: Registrar

SACPCMP
P O Box 6286
Midrand
1685
Tel: 011 318 3402 / 3 / 4

International Business Gateway Park
First Floor Gateway Creek
Corner New and 6th Road
Halfway House 1685
Fax: 086 622 9234

WARNING!!!

To all suppliers and potential suppliers of goods to the Government Printing Works

The Government Printing Works would like to warn members of the public against an organised syndicate(s) scamming unsuspecting members of the public and claiming to act on behalf of the Government Printing Works.

One of the ways in which the syndicate operates is by requesting quotations for various goods and services on a quotation form with the logo of the Government Printing Works. Once the official order is placed the syndicate requesting upfront payment before delivery will take place. Once the upfront payment is done the syndicate do not deliver the goods and service provider then expect payment from Government Printing Works.

Government Printing Works condemns such illegal activities and encourages service providers to confirm the legitimacy of purchase orders with GPW SCM, prior to processing and delivery of goods.

To confirm the legitimacy of purchase orders, please contact:

Renny Chetty (012) 748-6375 (Renny.Chetty@gpw.gov.za),

Anna-Marie du Toit (012) 748-6292 (Anna-Marie.DuToit@gpw.gov.za) and

Siraj Rizvi (012) 748-6380 (Siraj.Rizvi@gpw.gov.za)

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