

1. **DECLARATION BY THE EAP**

I, MAGNUS VAN ROOYEN, declare that –

- I act as the independent environmental assessment practitioner in this application;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- I will take into account, to the extent possible, the matters listed in Regulation 13 of the Regulations when preparing the application and any report relating to the application;
- I undertake to disclose to the applicant and the Competent Authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the Competent Authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the Competent Authority, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the Competent Authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in Section 49B of the Act.



Signature of the Environmental Assessment Practitioner

GCS WATER AND ENVIRONMENT (PTY) LTD

Name of Company:

30 JUNE 2022

Date



2. DISCLOSURE OF VESTED INTEREST (DELETE WHICHEVER IS NOT APPLICABLE)

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;



Signature of the Environmental Assessment Practitioner

GCS WATER AND ENVIRONMENT (PTY) LTD

Name of Company:

30 JUNE 2022

Date

3. UNDERTAKING UNDER OATH/ AFFIRMATION

I, MAGNUS VAN ROOYEN, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.



Signature of the Environmental Assessment Practitioner

GCS WATER AND ENVIRONMENT (PTY) LTD

Name of Company

30 JUNE 2022

Date

ANTHONY EKEROLD



Signature of the Commissioner of Oaths

**HIBISCUS HOUSE, FAIRWAY GREEN
3 ABREY ROAD, KLOOF, 3610
COMMISSIONER OF OATHS
PRACTISING ATTORNEY
REPUBLIC OF SOUTH AFRICA**

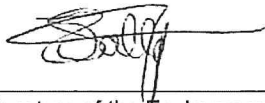
30 June 2022

Date

1. DECLARATION BY THE EAP

I, JANICE CALLAGHAN, declare that –

- I act as the independent environmental assessment practitioner in this application;
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Signature of the Environmental Assessment Practitioner

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Name of Company:

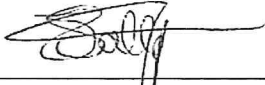
30 JUNE 2022

Date



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Signature of the Environmental Assessment Practitioner

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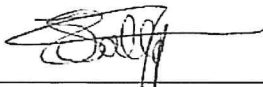
Name of Company:

30 JUNE 2022

Date

3. **UNDERTAKING UNDER OATH/ AFFIRMATION**

I, JANICE CALLAGHAN, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.



Signature of the Environmental Assessment Practitioner

GCS WATER AND ENVIRONMENT (PTY) LTD

Name of Company

30 JUNE 2022

Date



Signature of the Commissioner of Oaths

ANTHONY EKEROLD

**HIBISCUS HOUSE, FAIRWAY GREEN
3 ABREY ROAD, KLOOF, 3610
COMMISSIONER OF OATHS
PRACTISING ATTORNEY
REPUBLIC OF SOUTH AFRICA**

30 June 2022

Date



MAGNUS VAN ROOYEN

Technical Director

CORE SKILLS

- Environmental Impact Assessments
- Scoping Reports
- Preliminary Environmental Assessment
- Mining Right and Applications
- Environmental Management Programmes
- Strategic Environmental Assessments
- Wildlife Management Plans

DETAILS

Qualifications

- BSc - Botany & Zoology
- B.SC Honours - Botany
- Specialist Student
- Post Graduate Diploma in Teaching
- Masters Degree: Environmental Management

Memberships

- SACNASP
- International Association of Impact Assessors

Languages

- English - fluent
- Afrikaans- fluent
- German - fair
- Dutch - fair
- Zulu - adequate

PROFILE

In addition to holding a Masters Degree: Environmental Management, Magnus also holds a BSc degree in Botany and Zoology, an Honours Degree in Botany and a Post Graduate Certificate in Education.

Magnus has 13 years' experience in projects involving Environmental Impact Assessments in various developmental sectors (Mining and Agricultural Sector, National Roads, Pipelines, Dams, and Residential Developments), conducting of Specialist Biodiversity Assessments associated with Environmental Impact Assessments and Project Feasibility Studies. He has experience in the compilation of Resettlement Policy Framework Plans associated with infrastructure development projects.

Magnus has experience in working on various private and public sectors as well as rural and urban environments in various countries.

His expertise lies within the mining sector where he has gained extensive exposure to all the aspects of mining projects from the pre-feasibility, prospecting, environmental impact assessment

Magnus has experience in the following areas:

- Environmental Impact Assessments
- Scoping Reports
- Preliminary Environmental Assessment
- Mining Right and Permit Applications
- Environmental Management Programmes
- Strategic Environmental Assessments
- Wildlife Management Plans

WORK EXPERIENCE

Year	Employer	Position	Role and Responsibility
2007 - 2020	JG Afrika (Pty) Ltd	Executive Associate	Project Management of an environmental contingent of 4 people and conducting Environmental Impact Assessments
2006 - 2007	JG Afrika (Pty) Ltd	Environmental Scientist	Conducted a wide range of infrastructure related Environmental Impact Assessments
2002 - 2005	Department of Conservation Ecology, University of Stellenbosch	Biodiversity Researcher	Conducted field work, sampling, laboratory work and logistics associated with two projects within the Conservation Ecology Department
2002 - 2005	Department of Botany and Zoology, University of Stellenbosch	Junior Lecturer in Botany	Lectured Botany practical component of the first-year Natural Science Degree
2001 - 2002	Paul Roos Gymnasium	Biology Teacher	Teaching the South African Biology curriculum to high school students

PROJECT EXPERIENCE

<p>Biodiversity Assessment Projects</p>	<p><u>Biodiversity Assessment Projects</u></p> <p>Mamatwan Tailings Facility Biodiversity and Wetland Assessment for the site to be used for the establishment of the new tailings facility on the South32 Mamatwan Manganese Mine near Hotazel.</p> <p>Hillside Aluminum Desalination Plant Biodiversity Screening Assessment for the infrastructure network associated with the South32 Hillside Aluminum Desalination Plant in Richards Bay.</p> <p>Lichtenburg Siding Expansion Biodiversity Assessment for the proposed expansion of the Lichtenburg Cement Siding, North West Province.</p> <p>Nacala Dam Project Riparian Vegetation Study for the Ecological Reserve Determination Specialist Study for the Environmental Impact Assessment for the Nacala Dam Project in Mozambique.</p> <p>National Route N8 Vegetation Specialist Study for the Environmental Impact Assessment for the National Route N8. National Route N2 uMgeni Interchange Improvements Environmental Impact Assessment for proposed improvements to the uMgeni Road Interchange and the National Route N2. The project included an extensive public participation process within the city of Durban, KwaZulu-Natal during the process.</p> <p>Qudeni Link Road Vegetation Specialist Study for the Environmental Impact Assessment for the Qudeni Rural Link Road.</p> <p>Municipal Landfill Site Identification Negative mapping and ground truthing for the options analysis for the identification of a District Municipality Landfill Site.</p>
<p>Port Related Projects</p>	<p>Pier 1 Phase 2 expansion Environmental Impact Assessment for proposed expansions to Pier 1 within the Durban Harbour. Locomotive Turning Table in the Port of Richards Bay Environmental Impact Assessment for proposed Locomotive Turn Table in within the Port of Richards Bay.</p> <p>Rail line construction in the Port of Richards Bay Environmental Impact Assessment for proposed additional rail line into the Richards Bay Coal Terminal in the Port of Richards Bay.</p>

PROJECT EXPERIENCE

	<p>Environmental Monitoring - RME Projects Durban Harbour Environmental Monitoring Duties for all the RME construction projects within the Durban harbour.</p> <p>Ore Loading Facility at Kalia in Guinea Environmental Impact Assessment for the proposed Ore Loading Facility in Kalia in Guinea, West.</p>
<p>Roads Projects</p>	<p>National Route N2 uMgeni Interchange Improvements Environmental Impact Assessment for proposed improvements to the uMgeni Road Interchange and the National Route N2. The project included an extensive public participation process with a range of public and private sector stakeholders.</p> <p>National Route N11 upgrade Environmental Impact Assessment for proposed upgrade of the National Route N11. The project included a public participation process with a range of public and private sector stakeholders as well as specialist studies associated with the river crossings.</p> <p>National Route N2 improvement and upgrade Environmental Impact Assessment for proposed upgrade of the National Route N2. The project included a public participation process with a range of public and private sector stakeholders as well as specialist studies associated with the river crossings.</p> <p>National Route N3 Chota Motala Interchange Environmental Audits Environmental Monitoring for the construction of the Chota Motala Interchange on the National Route N3.</p> <p>National Route R30 Environmental Audits Environmental Monitoring for the construction of the National Route R30.</p>
<p>Agricultural Projects</p>	<p>uMngano Community Dairy Development Project Environmental and Social Impact Assessment for the Development of a 200ha dairy for the uMngano Community in KwaZulu-Natal, South Africa.</p> <p>uMngano Community Vegetable Project Environmental and Social Impact Assessment for the Development of a 180ha vegetable growing project for the uMngano Community in KwaZulu-Natal, South Africa.</p> <p>Sundays River Citrus Project Environmental and Social Impact Assessment for the Development of a 100ha citrus project in the Sundays River Valley in the Eastern Cape, South Africa.</p>
<p>Water Projects</p>	<p>Nacala Dam project in Mozambique for the Millennium Challenge Corporation Environmental and Social Impact Assessment for the Nacala Dam project in Nacala, Mozambique. The study included the management of a range of specialist studies which included; biodiversity (fauna and flora) assessments, health impact assessments, social impact assessments, a hydrocensus, geotechnical investigation and an ecological flow requirement assessment. The project was conducted under the auspices</p>

PROJECT EXPERIENCE

	<p>of the Millennium Challenge Corporation.</p> <p>Mpofana Bulk Water Supply Scheme Environmental Impact Assessment for the Bulk Water Supply Scheme which included an extensive public facilitation process with affected landowners and other specialist studies.</p> <p>KwaHlokoHloko Rural Water Supply Scheme Environmental Impact Assessment for the Rural Water Supply Scheme which included an extensive public facilitation process with the rural landowners and tribal leaders.</p> <p>Conservation Management Plans</p> <p>Ndumo Game Reserve Management Plan Compilation of the Management Plan for the KwaZulu-Natal Wildlife Ndumo Game Reserve in northern KwaZulu-Natal. The compilation was conducted in accordance to the National Environmental Management: Protected Areas Act (No 57 of 2003).</p>
<p>Mining Projects</p>	<p>Uithoek Colliery for Miranda Mineral Holdings Environmental Impact Assessment for the establishment of the Uithoek Colliery including the management of a range of specialist studies which included a hydrological and geohydrological assessment, a biodiversity assessment, a social and heritage assessment and a repatriation plan for residents on the site.</p> <p>Burnside Colliery for Miranda Mineral Holdings Environmental Impact Assessment for the establishment of the Burnside Colliery including the management of a range of specialist studies which included a hydrological and geohydrological assessment, a biodiversity assessment, a social and heritage assessment and a repatriation plan for residents on the site.</p> <p>Ultimate Goal Colliery for Corobrik (Pty) Ltd Environmental Impact Assessment for the establishment of the Ultimate Goal Colliery including the management of a range of specialist studies which included a hydrological and geohydrological assessment, a biodiversity assessment, a social and heritage assessment and a repatriation plan for residents on the site.</p> <p>Klipwaal Gold Mine for Miranda Mineral Holdings Environmental Due Diligence assessment on the Klipwaal Gold Mine which included an assessment of completed and required rehabilitation, a contaminated land liability assessment and an evaluation of the structure and the possible impact of the slurry dams.</p> <p>Afrimat Quarries Compliance Audits Compliance audits and Due Diligence assessments of the Afrimat Quarry operations in South Africa. These audits are conducted on a two yearly basis.</p> <p>Private and Public Sector Development Projects Provincial Legislature Precinct Environmental and Social Impact Assessment for the proposed Provincial Legislature Precinct. This study consisted of a large public facilitation component and extensive engagement with private and public sector stakeholders.</p>

PROJECT EXPERIENCE

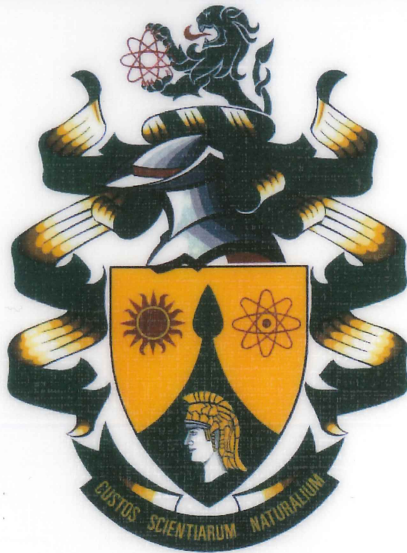
	<p>Camps Drift Canal Mixed Use Development Environmental Impact Assessment for proposed improvements to the uMgeni Road Interchange and the National Route N2. The project included an extensive public participation process within the city of Durban, KwaZulu-Natal during the process.</p> <p>Tiger Lodge Development Environmental Impact Assessment for the proposed Tiger Lodge Tourism Development.</p> <p>Paradise Lodge Development Environmental Impact Assessment for the proposed Paradise Lodge Tourism Development.</p>
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DECLARATION

I, Magnus Van Rooyen hereby declare that the details furnished above are true and correct to the best of my knowledge and belief and I undertake to inform you of any changes therein, immediately. In case any of the above information is found to be false or untrue or misleading or misrepresenting, I am aware that I may be held liable for it.

Signature:

Date: 27/02/2021



THE SOUTH AFRICAN COUNCIL
FOR
NATURAL SCIENTIFIC PROFESSIONS

herewith certifies that

Magnus van Rooyen

Registration number: 400335/11

is registered as a

Professional Natural Scientist

in terms of section 20(3) of the Natural Scientific Professions Act, 2003

(Act 27 of 2003)

in the following field(s) of practice

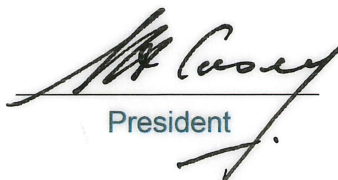
(Schedule I of the Act)

Environmental Science

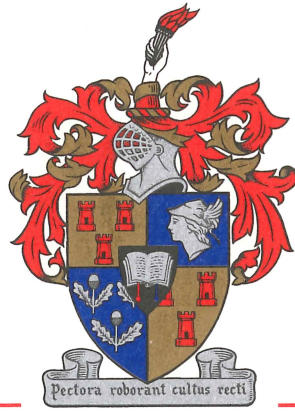
31 August 2011

31 August 2011

Pretoria


President


Chief Executive Officer



UNIVERSITY OF STELLENBOSCH

This is to certify that whereas

MAGNUS VAN ROOYEN

*had complied with all the conditions prescribed
in the Act, Statute and Rules of the University,
the degree*

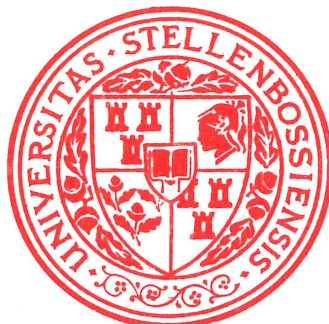
MASTER OF PHILOSOPHY

(MPhil)

(Environmental Management)

*with all the rights and privileges pertaining thereto was conferred on
him at a congregation of the University in December 2004.*

RECTOR AND VICE CHANCELLOR

DEAN

REGISTRAR
21 November 2006

Endorsement: This is a duplicate of the original certificate, which was lost or destroyed as far as can be determined by the University.

This certificate was issued in both Afrikaans and English. In the unlikely event of an inconsistency in the wording, the Afrikaans text shall have precedence.



Janice Callaghan

Junior Environmental Consultant

CORE SKILLS

- Water Use Licensing
- EIAs and BARs
- Section 24G reports
- RSIP reports
- Auditing
- Annual Decommissioning, Rehabilitation and Closure Updates

DETAILS

Qualifications

- BSc (Hons) Environmental Science
- Certificate from UCT in Occupational Health and Safety
- Certificate from University of British Columbia in Ecodesign for Cities and Suburbs

Membership

- Cand.Sci.Nat
- AIEMA
- Society of South African Geographers
- IAIAsa

Languages

- English - fluent
- Afrikaans - fluent

Countries Worked In

- South Africa
- Mozambique

PROFILE

Janice is a Junior Environmental Consultant at GCS Water and Environmental since April 2018 with 4 years' experience. She forms part of the Durban Environmental Unit and has undertaken various applications including Water Use License Applications, Integrated Water and Waste Management Plans, Environmental Impact Assessments and Environmental Management Programmes.

She pays great attention to detail and is a self-motivated individual, who is passionate about the environment with a particular interest in biogeography and conservation. Janice is both team player and able to work independently and is always keen to learn. Her methodical and organized approach benefits her in the workplace when meeting deadlines and she copes well under pressure.

Professional Affiliations:

- SACNASP (Cand.Sci.Nat)
- IAIAsa
- AIEMA
- SSAG

Areas of Expertise:

- Reviewing specialist studies and compiling reports;
- Database compilation and management;
- Compiling environmental authorisation applications for various mining projects in terms of NEMA, NEM:WA and NWA;
- Undertaking environmental audits;
- Compiling Annual Financial Provisioning Updates;
- Rehabilitation Strategy Implementation Plan;
- Report writing;
- Compilation of tender documents;
- Writing proposals;
- Assisting with information material and report compilation.



Work Experience

Period	Employer	Position	Role/ Responsibility
March 2020 to present	GCS	Junior Environmental Consultant	<ul style="list-style-type: none">- Undertaking environmental authorization processes- Mine closure and financial provisioning- Environmental Officer assistance to Buffalo Coal- Client liaison- Project management
April 2018 to March 2020	GCS	Intern	<ul style="list-style-type: none">- Assisting environmental consultants with environmental applications



Project Experience

Year	Client	Project Description	Role/Responsibility
Audits			
2019	Buffalo Coal	Annual EMPr and WUL audits for Coalfields, Aviemore and Magdalena operations	Assisting the lead auditor in site work and compilation of the audit reports.
2020	Buffalo Coal	Annual EMPr and WUL audits for Coalfields, Aviemore and Magdalena operations	Assisting the lead auditor in site work and compilation of the audit reports.
2020	Samancor	Annual audits for 6 operations	Assisting with compilation and internal review of the documents prior to sending for client review.
2020	Eskom	Legal compliance audit for Majuba power station	Assisting the lead auditor in site work and compilation of the audit reports.
2020	Eskom	Biennial PCB Audit	Assisting the lead auditor in site work and compilation of the audit reports.
2021	ZAC	Annual IWUL Audit	Lead auditor undertaking the site audit and compilation of report.
2021	Northam Platinum	Biennial Environmental Performance Audits for Booyesdal's North and South Operations	Assisting lead auditor with document compilation, and review of final document before sending to the client for review.
2021	Arcadis	Audit of EnviroServ's Mavoco Landfill Site	Lead auditor undertaking the site audit and compilation of report.
2021	Arcadis	Review of Harmony's Deelkraal Landfill	Documentation review and report.
2021	Tronox	Norms and Standards Audit of Waste Management	Assisting the lead auditor to undertake the audit and report compilation.
2021	Buffalo Coal	Annual EMPr and WUL audits for Coalfields, Aviemore and Magdalena operations	Assisting the lead auditor in site work and compilation of the audit reports.
2022	Tharisa	External EMPr Audit	Lead auditor responsible for the compilation of report
RSIPs			
2019	Buffalo Coal	Magdalena Colliery RSIP Update	Updating the RSIP undertaken in 2014 prior to the commencement of S24G activities
2020	Exxaro	Rietkuil RSIP	Compiling a RSIP for the Rietkuil Siding in compliance with their IWUL
2020	Exxaro	Belfast RSIP Update	Finalising the document with client comments



Project Experience

2020	Marula Platinum	RSIP update	Undertaking the annual update of the RSIP in compliance with the IWUL
2020	Anglo American	Mafube Coal RSIP update	Undertaking the annual update of the RSIPs in compliance with the IWUL
2020	Tharisa Minerals	RSIP update	Internal review of the update compiled by GCS prior to sending to the client for review.
IWULAs			
2018	Frame Knitting Manufacturers	WULA for borehole	Report writing and compilation, license application forms, public participation and follow-ups with DWS.
2018 - 2020	Buffalo Coal	Magdalena IWULA Amendment	Report writing and compilation, and data analysis
2018 - 2019	Tendele Coal	Somkhele IWULA Amendment	Public participation and associated report writing
2018 - 2020	South 32	Roypoint IWULA	Data management, public participation
2018 - 2019	Buffalo Coal	Aviemore New Adit and Access Road WULA	Data management, report compilation and submission
2020 - present	Celrose Clothing	WULA for borehole	Project management, client liaison
2020 - present	Buffalo Coal	Coalfields IWULA Finalisation	Uploading of documents to e-WULAAS portal, client liaison
EMPr Amendments			
2021	Interwaste	EMP Amendment for the Interwaste Waste Management Facility in Germiston, Gauteng	Update the current EMPr to reflect on-site activities and fulfill the regulatory requirements.
2021	De Beers Consolidated Mines Limited	Environmental Management Programme Amendment Application for the Voorspoed Diamond Mine, Free State Province	Assisting with the finalization of the EMPr for public review and submission
2021	Dorning Group	Stonewall Quarry EMPr Amendment	Update the current EMPr to reflect on-site activities and fulfill the regulatory requirements.
2021	Sibanye Stillwater	Burnstone EMPr Amendment	Report writing and compilation, public participation
2021	Exxaro Coal	Thabametsi EMPr Amendment	Amend the current EMPr to reflect on site conditions.
2022	Northam Platinum	Booyendal North and South EMPr Amendments	Amend the current EMPr to make provision for
Environmental Authorisations			
2018 - 2019	Buffalo Coal	Coalfields Calcine Plant BA	Report writing and compilation, public participation
2018 - 2019	Buffalo Coal	Aviemore New Adit and Access Road EA	Data management, report compilation and submission



Project Experience

2018 - 2020	ZAC	ZAC New Adit and Opencast Mining Operations	Report writing and compilation of BARs, public participation
2018 - 2019	Buffalo Coal	Magdalena S24G application	Writing and compiling Section 24G EIA, and EMPr, and public participation
2020	Phumaf Engineering	Gauteng Rapid Land Release Environmental Assessments	Compilation of Scoping Report and Basic Assessment Reports, public participation
2019 - 2021	Buffalo Coal	Magdalena Waste Management License EIA	Report writing, public participation
2021	Exxaro/Cennergi	Grootegeluk Self Generation/Lephalale Solar Environmental Authorisation	Information review, report writing and compilation, public participation
2022	Kouga Sand	Mining Permit Application	Information review, report writing and compilation, public participation
2022	Mentorskraal Familie Trust	Mining Permit Application	Information review, report writing and compilation, public participation
2022	Hard Ventures	Prospecting Right Application	Information review, report writing and compilation, public participation
2022	Imvukazane Resources	Prospecting Right Application	Information review, report writing and compilation, public participation
Mine Closure and Financial Provisioning			
2019	Buffalo Coal	Annual Financial Provisioning Update in terms of GNR 1147 for Magdalena, Aviemore and Wesselsnek	Updating closure costing; annual rehabilitation plan; final rehabilitation, decommissioning and closure plan; and environmental risk assessment for each site.
2020	Buffalo Coal	Annual Financial Provisioning Update in terms of GNR 1147 for Magdalena, Aviemore and Wesselsnek	Updating closure costing; annual rehabilitation plan; final rehabilitation, decommissioning and closure plan; and environmental risk assessment for each site.
2020 - present	Corobrik/Investec	Application for mine closure for the Corobrik Avoca site for a development to be undertaken	Mine closure application in terms of NEMA and the MPRDA.
2021	Midmar Crushers	Prospecting Right Closure	Compile an Environmental Risk Report and the Final Performance Assessment Report in support of the MPRDA requirements.
2021	Buffalo Coal	Annual Financial Provisioning Update in terms of GNR 1147 for Magdalena, Aviemore and Wesselsnek	Updating closure costing; annual rehabilitation plan; final rehabilitation, decommissioning and closure plan; and environmental risk assessment for each site.
Environmental Officer			
2019 - present	Buffalo Coal	Ad hoc work as required	Environmental Officer assistance to Buffalo Coal
Renewable Energy			
2021	Cennergi	Lephalale Solar Plant	Environmental assessment for a solar plant



Project Experience

Other			
2018 - present	Exxaro	Belfast RAP	LRP analysis and RAP compilation
2018	Airports Company South Africa	KSIA Storm Water Monitoring	Sorting of monitoring data
2018	CIG	Standerton SIA	Database compilation and management, data analysis, assisting with report writing
2018 - present	CIG	Standerton Oil Mill Phase 2	Data management, stakeholder engagement
2020	Tendele Coal	Somkhele Health Impact Assessment	Undertake an environmental Health Impact Assessment under the guidance of an external reviewer, in terms of the IFC and South African Department of Health Guidelines for undertaking such an assessment.



Project Experience

DECLARATION

I, Janice Callaghan, hereby declare that the details furnished above are true and correct to the best of my knowledge and belief and I undertake to inform you of any changes therein, immediately. In case any of the above information is found to be false or untrue or misleading or misrepresenting, I am aware that I may be held liable for it.

Signature: 

Date: 04 May 2022



herewith certifies that
Janice Susan Callaghan
Registration Number: 122924
is a registered scientist

in terms of section 20(3) of the Natural Scientific Professions Act, 2003
(Act 27 of 2003)
in the following field(s) of practice (Schedule 1 of the Act)

Environmental Science (Candidate Natural Scientist)

Effective 11 March 2020

Expires 31 March 2023



A handwritten signature in black ink, appearing to read 'Botha'.

Chairperson

A handwritten signature in black ink, appearing to read 'M. ...'.

Chief Executive Officer





Registration No. 2019/955

Herewith certifies that

Janice Callaghan

is registered as an

Environmental Assessment Practitioner

***Registered in accordance with the prescribed criteria of Regulation 15. (1)
of the Section 24H Registration Authority Regulations
(Regulation No. 849, Gazette No. 40154 of 22 July 2016, of the
National Environmental Management Act (NEMA), Act No. 107 of 1998, as
amended).***

Effective: 01 March 2022

Expires: 28 February 2023

Chairperson

Registrar





UNIVERSITY OF TM
KWAZULU-NATAL

INYUVESI
YAKWAZULU-NATALI

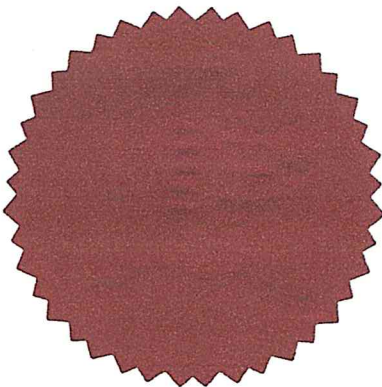
This is to certify that

Janice Susan Callaghan

was admitted this day
at a congregation of the University
to the degree of

Bachelor of Science Honours
(Environmental Science)

having satisfied the conditions prescribed for the degree



AS van Jaarsveld
Vice - Chancellor

SS Mokoena
Registrar

O Mutanga
Acting Dean



213574191

12 April 2017

LIV PROTECTED



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