

## CURRICULUM VITAE

<b>Name:</b>	Gideon Petrus Kriel
<b>Nationality:</b>	South African
<b>Date of Birth:</b>	1983/09/01
<b>Profession:</b>	Environmental Scientist
<b>Professional Registrations:</b>	<ul style="list-style-type: none"> <li>○ Registered Professional Natural Scientist (SACNSP-#400202/09) – Environmental Sciences</li> <li>○ Water Institute of Southern Africa (WISA) Member (21161)</li> <li>○ International Association for Impact Assessors South Africa (IAIA SA)</li> </ul>
<b>Specialisation:</b>	<ul style="list-style-type: none"> <li>○ Project Management;</li> <li>○ Environmental Impact Assessments;</li> <li>○ Environmental Site Assessments;</li> <li>○ Environmental Management Plans;</li> <li>○ Environmental Compliance Monitoring;</li> <li>○ Environmental Awareness Training;</li> <li>○ Geographical Information Systems; and</li> <li>○ Aquatic Ecological Assessments</li> <li>○ Wetland Delineation and Assessments</li> <li>○ Water Use Licence Applications</li> </ul>
<b>Current Employer:</b>	Environmental Impact Management Services (Pty) Ltd

### Key Experience

GP holds an M.Env.Sci (Water Sciences) Cum Laude from the North-West University (Potchefstroom Campus). He has been employed as an Environmental Consultant since 2007 and is the East London office manager. He has delivered presentations locally and internationally concerning the use of bio-indicators for the determination of water quality, and has experience in a wide variety of environmental management projects including: Environmental Impact Assessments, Basic Assessments, Geographic Information Systems (GIS), Environmental Compliance Monitoring, Environmental Awareness Training, Aquatic Ecological Assessments, Wetland Delineation and Assessments, ISO 14001 Aspect Registers, Water Use Licence Applications, Waste Management Licence Applications and Integrated Waste and Water Management Plans (IWWMP).

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## Qualifications & Courses Attended

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B.Sc. (Geography and Botany)	North-West University (Potchefstroom Campus) 2004.
M.Env.Sci (Water Sciences)	North-West University (Potchefstroom Campus) 2008.
Bringing Data Into GIS (ArcGIS)	GIMS (now ESRI SA), 2008.
Implementation of Environmental Management Systems (ISO 14001)	Centre for Environmental Management, North-West University (Potchefstroom Campus), 2007.
Tools for Wetland Assessment	Rhodes University, 2013

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## Career Summary

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### July 2007 - Present: Senior Environmental Assessment Practitioner, Environmental Impact Management Services (Pty) Ltd:

- ✓ Environmental Impact Assessment for the proposed Zonk'izizwe Mixed Use Development in Midrand, Gauteng.
- ✓ Basic Assessments for the road upgrades for the Johannesburg Roads Agency (JRA).
- ✓ Environmental Impact Assessment for the proposed Thabeng Eco Reserve and Golf Estate, near Ohrigstad, Limpopo.
- ✓ Basic Assessment for the proposed TATA Steel KZN Clean Energy Project, Richards Bay, KwaZulu-Natal.
- ✓ Basic Assessment for the proposed IFM Clean Energy Project, Mooi Nooi, North-West Province.
- ✓ Compilation of ISO 14001 Aspect/Impact registers for Clover (Pty) Ltd.
- ✓ Basic Assessment for the proposed N17 Phase 2 project: Addition of Auxiliary Lanes Between the Rondebult Road Interchange and the Proposed Trichardts Road Interchange.
- ✓ Basic Assessment for the Proposed Early Warning System for the South African Nuclear Energy Corporation of South Africa (NECSA).
- ✓ Environmental Impact Assessment for the Proposed Water and Effluent Collection and Treatment Infrastructure Upgrade for the Nuclear Energy Corporation of South Africa (NECSA).
- ✓ Basic Assessment for the proposed Residential Development on Portions 16 & 17 of the Farm Wilgespruit 190 IQ, Wilgeheuwel, Roodepoort.
- ✓ Independent Environmental Control Officer for the Eye of Africa Golf Estate, Gauteng.
- ✓ Independent Environmental Control Officer for the Department of International Relations Head Office Construction, Pretoria.
- ✓ Water Use License Application for the Upgrade of the Low Level Bridge on Hyperion Drive, North Riding, Johannesburg.
- ✓ Diatom Water Quality Assessments for the Upgrade of the Low Level Bridge on Hyperion Drive, North Riding, Johannesburg.
- ✓ Basic Assessment for the Proposed Rand Water 1400mm diameter L17 Bulk Water Pipeline, Brakpan, Gauteng.
- ✓ Wetland Delineation for Anglo Platinum Potgietersrus Platinum Limited near Mokopane, Limpopo.
- ✓ Independent Environmental Control Officer for the Knock-down and Rebuild of the Shell Range River Service Station, Gillview, Johannesburg.
- ✓ Independent Designated Environmental Officer for the Refurbishment of the South African National Roads Agency Limited (SANRAL) Dalpark Operations Centre,

- Brakpan.
- ✔ Waste Licence Application for the Proposed Water and Effluent Collection and Treatment Infrastructure Upgrade for the Nuclear Energy Corporation of South Africa (NECSA).
  - ✔ Prospecting Rights Applications on behalf of the African Exploration Mining and Finance Corporation (Pty) Ltd for a variety of projects in Limpopo, Free State and North-West Provinces.
  - ✔ Environmental Impact Assessment and Waste Management Licence Application for the Lusikisiki Sewer and Sewer Treatment Plant, Lusikisiki, Eastern Cape.
  - ✔ Diatom Monitoring for the Lusikisiki Sewer and Sewer Treatment Plant, Lusikisiki, Eastern Cape.
  - ✔ Water Use Licence Application for the Siyabuswa Waste Water Treatment Works, Dr JS Moroka Local Municipality.
  - ✔ Water Use Licence Application for the Libangeni Waste Water Treatment Works, Dr JS Moroka Local Municipality.
  - ✔ Water Use Licence Application for the Mkombho Dam Abstraction, Dr JS Moroka Local Municipality.
  - ✔ Water Use Licence Application for the Rust de Winter Dam Abstraction, Dr JS Moroka Local Municipality.
  - ✔ Appointed as a Blue Water Services Inspector for the 2012 Blue Water Services Audits by the Department of Water Affairs.
  - ✔ Basic Assessment for the formalisation of Masibambane, Masibulele, Ilinge, Dacawa Gwentshe, Velwano, Mathemba Vuso in Mdantsane for the Buffalo City Metropolitan Municipality.
  - ✔ Environmental Impact Assessment for the Proposed Sunny South Housing Development for the Buffalo City Metropolitan Municipality.
  - ✔ Basic Assessment and Water Use Licence for the Mqonjwana Access Road for the Mbizana Local Municipality.
  - ✔ Independent Environmental Control Officer for the East London Industrial Development Zone (ELIDZ): Infrastructure Services for the Zone 1B West Residential Development.
  - ✔ Heritage Impact Assessment and Public Participation for the Proposed Reconstruction of Fleet Street, East London for the Buffalo City Metropolitan Municipality.
  - ✔ Environmental Monitoring (Water Quality) for Phase 2 CD of the Olifants River Water Resources Development Project for Basil Read.
  - ✔ Basic Assessment and Water Use Licence Application for the Proposed Sidwadeni River Access Road near Mthatha, Eastern Cape on behalf of the South African National Roads Agency (SOC) Limited.
  - ✔ Basic Assessment and Water Use Licence Application for the Proposed Mngazi River Access Road near Port St Johns, Eastern Cape on behalf of the South African National Roads Agency (SOC) Limited.
  - ✔ Independent Environmental Control Officer for the East London Industrial Development Zone (ELIDZ): Proposed MMOEM Facilities.
  - ✔ Amalinda Fairlands Feasibility Study for the Buffalo City Metropolitan Municipality (CS Consulting).
  - ✔ Independent Environmental Control Officer for the Lusikisiki Sewer and Sewer Treatment Plant, Lusikisiki, Eastern Cape.
  - ✔ Independent Environmental Control Officer for the Noblesfontein Wind Energy Facility near Victoria West, Northern Cape Province.
  - ✔ Independent Environmental Control Officer for the Reconstruction of Fleet Street, East London, Buffalo City Metropolitan Municipality, Eastern Cape Province.
  - ✔ Transnet Freight Rail NEMA Section 24G Rectification Application – Coega Station to Tankatara Level Crossing, Coega, Eastern Cape.
  - ✔ Independent Environmental Control Officer for the Sunny South Housing Development for the Buffalo City Metropolitan Municipality.
  - ✔ Vincent-Berea Local Spatial Development Framework, CS Consulting (Buffalo City

- Metropolitan Municipality), East London, Eastern Cape.
- ✔ Participatory Based Planning Support to Informal Settlements Upgrading Projects In Buffalo City Metropolitan Municipality, CS Consulting, Eastern Cape.
- ✔ Molopo Free State Wetland Delineations, Virginia, Free State.
- ✔ Puma Energy Fuel Depot Wetland Delineation, Nelspuit, Mpumalanga.
- ✔ Mdantsane Roads Cluster 2 Environmental Control Officer, Buffalo City Metropolitan Municipality.
- ✔ Giuricich Chemical Removal at Vodacom Site, East London.
- ✔ Internal Environmental Management System Audits (ISO 14001) for the East London Distribution Centre and Ladismith Plant for Parmalat South Africa.
- ✔ Environmental Control Officer for the Eskom Albany-Mimosa 66KV Distribution Line near Alicedale, Eastern Cape.
- ✔ Environmental Impact Assessment for the Proposed Algoa Basin Oil & Gas Production Project for Aberdeen Offshore Engineering.
- ✔ Basic Assessment for the Proposed Ablution Facilities Along the Coast for Nyandeni Local Municipality.
- ✔ Environmental Control Officer for the Eskom Wittekleibosch-Dieprivier 132kV Power Line and Switching Station, Tsitsikamma, Eastern Cape.
- ✔ Specialist Walkdown and Site Specific EMPR for the Eskom Ankerlig-Omega Power line, Western Cape.
- ✔ Wetland Assessment for the Lichtenburg Hospital Basic Assessment Process for PH Bagale (on behalf of the Department of Health).
- ✔ Update of the Integrated Waste and Water Management Plan Eskom Lethabo Power Station, Free State.
- ✔ Basic Assessment for the Upgrade of the Loop 16 (Gariep) Road for ACWA Power, Groblershoop, Northern Cape.
- ✔ Prospecting Rights Application and Basic Assessment for Black Mountain Mining, Aggeneys, Northern Cape.
- ✔ Basic Assessment for the Eskom Riverbank IPP Projects, Eastern Cape.
- ✔ Environmental Control Officer for the SANRAL N2 Section 15 from Buffalo River (km 2,94) to Breidbach Intersection (km 9,8) and the R63 from Alexandra Road (km 0) to Bhisho, Eastern Cape.
- ✔ Environmental Control Officer for the Greenfields section of the SANRAL N2 Wild Coast Toll Highway (Southern Section), Eastern Cape.
- ✔ Basic Assessment for the Upgrading to a Surface Standard Portion of Road DR08606 +1-12KM, Eastern Cape Department of Roads and Public Works, Eastern Cape.
- ✔ GIS work for a large amount of projects from 2007 - Present including the following: the identification and mapping of sensitivities and interested and affected parties, the delineation of site boundaries, the identification of alternative development sites, geo-referencing of old maps and technical drawings, production of informative maps for Basic Assessments, Environmental Impact Assessments and Environmental Compliance Monitoring.

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**Language Capability**

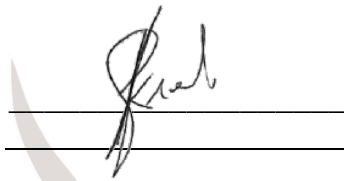
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	<b>Speak</b>	<b>Read</b>	<b>Write</b>
<b>English</b>	Excellent	Excellent	Excellent
<b>Afrikaans</b>	Excellent	Excellent	Excellent

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**Certification:**

*I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.*

**Signature****Date**

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17 January 2017

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## CURRICULUM VITAE

Name:	Andisiwe Stuurman
Nationality:	South African
Date of Birth:	1990/09/16
Profession:	Environmental Scientist
Professional Registrations:	SACNASP <i>Cand.Sci.Nat.</i> (114735)
Specialisation:	<ul style="list-style-type: none"> <li>o Basic Assessments</li> <li>o Environmental Impact Assessment</li> <li>o Water Quality Monitoring</li> <li>o Environmental Compliance Monitoring;</li> <li>o Environmental Awareness Training; and</li> <li>o Geographical Information Systems</li> </ul>
Current Employer:	Environmental Impact Management Services (Pty) Ltd

### Key Experience

Andisiwe holds a M.Sc. degree in Geography and Environmental Resources from Southern Illinois University, Carbondale. Before joining EIMS in August 2015 as an Environmental Scientist, she worked in Research and Development at Johnson & Johnson. Andisiwe was the recipient of the prestigious Fulbright Scholarship in 2013. To date, Andisiwe has worked on several aspects of Environmental Management including Basic Assessments, Water Quality Monitoring, Geographic Information Systems (GIS), Environmental Compliance Monitoring and Environmental Awareness Training.

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## Qualifications & Courses Attended

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B.Sc. (Microbiology and Biochemistry)	University of Fort Hare, 2011
B.Sc Honours (Microbiology)	University of Fort Hare, 2012
M.Sc (Geography and Environmental Resources)	Southern Illinois University (Carbondale), 2015
ISO14001:2015 Lead Auditor Course	Bureau Veritas South Africa, 2016

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### August 2015 - Present: Environmental Scientist, Environmental Impact Management Services (Pty) Ltd:

- ✓ Independent Environmental Control Officer for the Sunny South Housing Development for the Buffalo City Metropolitan Municipality.
- ✓ Environmental Control Officer for the Eskom Albany-Mimosa 66KV Distribution Line near Alicedale, Eastern Cape.
- ✓ Basic Assessment for the Proposed Ablution Facilities Along the Coast for Nyandeni Local Municipality.
- ✓ Environmental Control Officer for the Eskom Wittekleibosch-Dieprivier 132kV Power Line and Switching Station, Tsitsikamma, Eastern Cape.
- ✓ Basic Assessment for the Upgrade of the Loop 16 (Gariep) Road for ACWA Power, Groblershoop, Northern Cape.
- ✓ Prospecting Rights Application and Basic Assessment for Black Mountain Mining, Aggeneys, Northern Cape.
- ✓ Basic Assessment for the proposed Eskom Riverbank IPP Projects, Ngqushwa Local Municipality, Eastern Cape.
- ✓ Environmental Control Officer for the Rehabilitation of Fleet Street East London, Eastern Cape.
- ✓ Environmental Control Officer for the SANRAL Rehabilitation of National Routes: N2 Section 15 From Buffalo River (KM 2,94) To Breidbach (KM 9,8) And R63 From Alexandria Road (KM 0) To Bhisho (KM 5,8), King William's Town, Eastern Cape.
- ✓ Environmental Control Officer for the SANRAL N2 Wild Coast Toll Highway, Ingquza Hill Local Municipality, Eastern Cape.

### January 2012- July 2013: Product Development Scientist, Johnson & Johnson East London:

- ✓ Support new product development from initialisation to launch.
- ✓ Accelerated stability product testing.
- ✓ Liaise with other departments to manage raw material portfolio.
- ✓ Provide technical support to production team.

### December 2010 - February 2011: Intern, South African National Biodiversity Institute:

- ✓ Environmental Impact Assessments.
  - ✓ Monitor growth of fynbos species in Tokai Plantation.
  - ✓ Conduct seed sampling for storage in seed bank.
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## Language Capability

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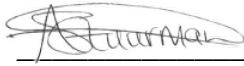
	<b>Speak</b>	<b>Read</b>	<b>Write</b>
<b>English</b>	Excellent	Excellent	Excellent
<b>Xhosa</b>	Excellent	Excellent	Excellent
<b>Afrikaans</b>	Average	Excellent	Excellent

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**Certification:**

*I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.*

**Signature**



**Date**

2017-01-13

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