

CURRICULUM VITAE

Name:	Gideon Petrus Kriel
Nationality:	South African
Date of Birth:	1 September 1983
Profession:	Environmental Scientist
Professional Qualification/ Training:	M.Env.Sci Water Sciences; North West University (Potchefstroom Campus), 2008
	Implementation of Environmental Management Systems (ISO 14001); Centre for Environmental Management, North-West University (Potchefstroom Campus), 2007.
	Bringing Data Into GIS (ArcGIS); GIMS (now ESRI SA), 2008.
	Tools for Wetland Assessment; Rhodes University, 2013
Professional Membership/ Registrations:	Registered Professional Natural Scientist (SACNSP- #400202/09) – Environmental Sciences
	Registered Environmental Assessment Practitioner (EAPASA- #2019/1451)
	Water Institute of Southern Africa (WISA) Member (21161)
Current Employer:	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) and has been employed as an Environmental Consultant since 2007. GP is a Registered Professional Natural Scientist (South African Council for Natural and Scientific Professions) and a Registered Environmental Assessment Practitioner (Environmental Assessment Practitioner). 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, Drinking and Waste Water Treatment Process Audits, Wetland Delineation and Assessments, ISO 14001 Aspect Registers, Water Use Licence Applications, Waste Management Licence Applications and Integrated Waste and Water Management Plans (IWWMP).

CAREER SUMMARY

Period: July 2007- Current	Organisation: EIMS	Position: Senior Environmental Assessment Practitioner
Key Projects/Assignments	<u>Senior Consultant:</u> Responsible for the following aspects: <ul style="list-style-type: none"> • Technical review and direction; 	



- Quality control and assurance;
- Client management; and
- Marketing and business development.

Project Experience:

- 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 Trichardt 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.
- 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.
- Transnet TM2 Aquatic Monitoring Programme.
- Prospecting Right Applications and Basic Assessment Processes for Black Mountain Mining near Aggeneys, Northern Cape.
- Eskom Amathole Stormwater Environmental Control Officer, Eastern Cape.
- Update of the ACWA Bokpoort Concentrated Solar Plant Integrated Waste and Water Management Plan, Northern Cape.
- Update of the Rirhanzdu Rehabilitation Strategy and Implementation Plan, Mpumalanga.
- Basic Assessment and Water Use Licence Application for the Proposed Megamor Park Extension, Meisieshalt, East London for Umbra Trading 11.
- Creation of the Ekurhuleni Metropolitan Municipality Parks GIS Layer.
- Enviro-legal review for Bax Kaplan Russel for a Waste Processing Facility in Wilsonia, East London.
- Enviro-Legal Review: Demonstration of On-Site Faecal Sludge Treatment In East London, Impilo Yabantu Services (Pty) Ltd.
- Umgeni Raw Water Management Audit for SizweNtsalubaGobodo, Pietermaritzburg.
- Umgeni Waste Water Management Audit for SizweNtsalubaGobodo, Pietermaritzburg.



- Competent Persons Report (Environmental) for the Ntshovelo Mining Resources (Pty) Ltd Welgemeend Colliery.
- Umgeni Potable Water Management Audit for SizweNtsalubaGobodo, Pietermaritzburg.
- Cambridge Pedestrian Bridge Enviro-legal Interpretation for CBM Consulting Engineers.
- Komati Power Station Legal Audit for Eskom.
- Beaconhurst Drive Enviro-legal Interpretation for CBM Consulting Engineers.
- Port of Ngqura Tank Farm Infrastructure Specialists Services for Transnet Group Capital.
- Prospecting Rights Application and Basic Assessment for Black Mountain Mining, Northern Cape.
- Independent Environmental Control Officer for the East London Industrial Development Zone (ELIDZ): GW1 Facilities in Zone 1A.
- Basic Assessment and Water Use Licence Application for the Proposed Summerpride Erf 107 Residential Development, East London.
- Harmony Target 1 & 2 Performance Assessment Audits, Welkom
- Harmony President Steyn North (Steyn 3_ 7 & 9) Performance Assessment Audits, Welkom.
- City of Ekurhuleni Tsakane Sewer Pump Station Basic Assessment, Ekurhuleni.
- Eskom Duvha Power Station Legal Compliance Audit.
- Buffalo City Metropolitan Municipality Eastern Beach Sewer Upgrade Environmental Officer, East London.
- Transnet Group Capital Coega Kop Quarry Water Use Licence Application.
- SCAW Dimbaza Foundry Groundwater Monitoring, Dimbaza.
- Mulilo Struisbult PV2 Grid Connection Basic Assessment, Copperton.
- Mulilo Struisbult PV2 EMPr Amendment, Copperton.
- Tosaco Offshore Exploration Environmental Impact Assessment.
- Azinam Offshore Block 2B Stakeholder Engagement.
- TGS Orange Basin Offshore Reconnaissance Basic Assessment.
- 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

Language	Speak	Read	Write
English	Excellent	Excellent	Excellent
Afrikaans	Excellent	Excellent	Excellent

DECLARATION

I confirm that the above information contained in the CV is an accurate description of my experience and qualifications at the time of signature.

Signature of Staff Member

17 October 2022

Date

CURRICULUM VITAE

Name of Firm :	Aurecon (Pty) Ltd	Name of Staff :	Louise Corbett
Profession :	Environmental Practitioner	Year of Birth :	1981
Years with Firm :	4	Nationality :	South African

Membership in Professional Societies: Treasurer of the South African affiliate of the International Association for Impact Assessment, (IAIASa)

Key Qualifications:

Ms Corbett, an Environmental Practitioner in the Cape Town office has a Bachelors of Science (Hons) degree in Environmental and Geographical Science, specialising in Environmental Management, from the University of Cape Town. Louise has over five years experience in the environmental field and has compiled and managed numerous environmental investigations including Environmental Impact Assessments, Environmental Management Plans and Environmental Management Programmes. Louise is the treasurer of the South African affiliate of the International Association for Impact Assessment (Western Cape Branch) and is a registered Professional Natural Scientist.

Experience Record:
1a) Regulatory Processes and Environmental Impact Assessment: *Impact Assessment:*

2011-present	Proposed Wind Energy Facility near Koekenaap, Western Cape	Project Manager
2011-present	Proposed Reverse Osmosis Plant at Hendrina Power Station, Mpumalanga	Project Manager
2010-present	Proposed Wind Energy Facility near Komsberg, Western Cape	Project Manager
2010-present	Proposed Wind Energy Facility near Copperton, Northern Cape	Project Manager
2010-present	Proposed Hydropower Station on the Orange River near Kakamas, Northern Cape	Project Manager
2010-present	Proposed Brine and Groundwater Treatment Works at Tutuka Power Station, Mpumalanga	Project Manager
2010-present	Proposed Stormwater System Rehabilitation at Zevenwacht, Western Cape	Project Manager
2010-2011	Proposed Expansion of the Piketberg Wastewater Treatment Works, Piketberg, Western Cape	Project Manager
2010	Proposed coal mine expansion near Tete, Mozambique	Project Staff
2009	Proposed wind monitoring masts in Middelburg, Eastern Cape	Project Staff
2009	Proposed wind monitoring masts in De Aar, Northern Cape	Project Staff
2009	Proposed wind monitoring masts in Cookhouse, Eastern Cape Eastern	Project Staff
2008-present	Proposed Fisantekraal New Town Development	Project Staff

2008	Proposed Windfarm, West Coast	Langefontein	Project Staff
2008-present	Proposed Station in Limpopo	Coal-Fired Power in the Waterberg,	Project Staff and Manager
2008	Proposed Subdivision of Farm Palmiet River No. 319, Elgin		Project Staff
2008	Proposed Channel Dam, Sedgefield	Sedgefield Off-	Project Staff
2007-2008	Proposed Facility in the Area, Paarl	Plant Extraction in the Paarl Industrial	Project Staff
2007	Proposed upgrade of fuel pipelines at the Cape Town International Airport.		Project Manager
2006-2007	Proposed rezoning of public open space (portion of Erf 10565) in Boston.		Project Manager
2006-2007	Proposed upgrade of N1 intersections near De Doorns.		Project Manager
2006-2007	Proposed development of the Ibhubesi Gas Field and associated infrastructure, West Coast, South Africa.		Project Staff
2006-2007	Proposed new regional landfill to service the City of Cape Town.		Project Staff
2006-2007	Proposed subdivision and rezoning of Erf 1366, Eerste River.		Project Manager
2006-2007	Proposed subdivision and rezoning of Erf 23300, Maitland (Royal Maitland Phase 3).		Project Manager
2006-2007	Proposed subdivision and rezoning of Erf 3410, Simon's Town.		Project Manager
2006-2007	Proposed subdivision and rezoning of Erf 1, Simon's Town.		Project Manager
2006-2007	Proposed Rocklands Eco Estate.		Project Manager
2006-2007	Proposed upgrade of facilities at the River Club, Observatory.		Project Manager
1b) Regulatory Processes and Environmental Impact Assessment: <i>Mining and Oil and Gas Prospecting Applications:</i>			
2007	Proposed deepwater geophysical survey of the South African Continental Margin.		Project Manager
2007	Proposed 2D seismic survey in the Northern Block, offshore Namibia.		Project Manager
2007	Proposed borrow pits for the upgrade of road sections in the Central Karoo District.		Project Manager

2006-2007	Proposed borrow pits for the upgrade of road sections in the Overberg District.	Project Staff
2006	Proposed geotechnical survey in the Southern and Northern Blocks offshore Namibia.	Project Manager
2006	Proposed reseal of Trunk road 44/1, Main roads 401, 404, 368 and the upgrade of Divisional road 1834 and the development of an associated borrow pit near Uniondale.	Project Manager

2) Environmental Management Plans:

2010	Construction Environmental Management Plan for Stellenbosch Dams Rehabilitation	Project Manager
2006	Construction Environmental Management Plan for Sitari Fields Golf Estate, Firgrove/ Macassar.	Project Staff

3) Institutional and Policy Development and Professional Review Services:

2007-2008	Department of Economic Affairs Environment and Tourism Decision-making Support.	Project Staff
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4) Other:

2011	Environmental Input to a Potential Hydropower Station on the Orange River, Northern Cape	Project Manager
2008	Environmental Input to Sites for a Solar Cell Factory	Project Staff
2008	Environmental Sensitivity Study for the Proposed Fisantekraal New Town Development, Western Cape	Project Staff
2006	Exemption application for tow surfing in the Table Mountain Marine Protected Area	Project Staff

Countries of Work Experience: South Africa, United Kingdom, Canada, Mozambique

Education: -BSc (Hons) Environmental Management, University of Cape Town, 2004.
-BSc Environmental & Geographical Science, University of Cape Town, 2003.

Employment Record:

2009 - present	Senior Environmental Practitioner, Aurecon (Pty) Ltd
2007- 2009	Environmental Practitioner, Ninham Shand (Pty) Ltd
2006-2007	Environmental Consultant, CCA Environmental (Pty) Ltd
2005- 2005	Systems Administrator, Morrison's Plc, London UK
2004- 2005	Customer Services Advisor, Barclays Bank Plc, London UK
2003-2004	Fairmont Gold Attendant, Fairmont Chateau Whistler, Whistler Canada
2003-2003	Practical Demonstrator to undergraduate Environmental and Geographical Science students, University of Cape Town

Languages: English (first), Afrikaans