

**APPENDIX 2:**

**CURRICULA VITAE (INCLUDING REGISTRATIONS) OF THE PROJECT TEAM**



## MATTHEW HEMMING

### TECHNICAL DISCIPLINE MANAGER & AFRICA INFRASTRUCTURE SECTOR LEAD

Environmental Management Planning & Approvals,  
South Africa

#### QUALIFICATIONS

MSc	2001	MSc (Conservation Biology), with distinction, from University of Cape Town
BSc (Agric)	1999	BSc (Agriculture) in Wildlife Science, with Zoology major, from University of Natal

#### EXPERTISE

- Environmental legislation
- Environmental and Social Impact Assessment
- Environmental planning & licensing
- Public Participation
- Environmental & Social Screening & Site Selection
- Waste management
- Stakeholder engagement
- Environmental training

Matthew is a Senior Environmental Consultant with SLR and has over 15 years' experience as an Environmental Assessment Practitioner within the environmental consulting field. Matthew is well versed in the authorisation and compliance requirements of all South African environmental legislation. He is currently the Technical Discipline Manager for SLR's Environmental & Social Impact Assessment team in Africa and SLR's lead for business development in the Infrastructure Sector.

He has managed a wide range of licensing projects including environmental authorisations, water use license and waste management license applications, mainly in the oil and gas exploration, waste management, mining, industry and electricity generation sectors. His role included project management and co-ordination; specialist and engineering team management; environmental impact assessment; and co-ordination, facilitation and undertaking of stakeholder engagement processes, including for contentious projects.

Over the past few years Matthew's focus has been on assisting clients in the waste management and oil and gas field sectors. He has also had involvement a number of projects in the onshore oil and gas sector. Matthew also has involvement in environmental and social risk management work in terms of the World Bank/IFC performance standards for projects around Africa.

#### PROJECTS

A sample of Matthew's project experience, summarised by sector, is provided below.

##### Infrastructure

**KfW Development Bank – Sustainable Urban Development in Namibia**  
(2020 - ongoing)

KfW has established a Financial Cooperation project with Development Workshop Namibia for poverty-oriented development of infrastructure in urban areas to sustainably improve the living standard of the people living in informal settlements..

Matthew project managed the development of an Environmental and Social Management Framework to provide guidance for the management of environmental and social risks and impacts of the proposed project interventions.

**Magil Construction Company – Eastern Entrance to Douala** (2020 - 2021)

Magil is appointed by the Government of Cameroon to design and construct the road upgrade for the Eastern Entrance to Doula. An EIA had previously been completed to meet local legislative requirements.

Matthew project managed the review (Gap Analysis) of the local EIA and development of an ESIA in terms of the IFC Performance Standards, as required by the lenders.

**Lund Consulting Engineers – NamParks V Infrastructure, Namibia**  
(2020 - 2021)

Phase V of the Namibia National Parks Programme (NamParks), executed by the MEFT and co-financed by the Federal Republic of Germany (KfW), intends to develop/upgrade park management infrastructure at six stations within the Coastal National Parks.

Matthew was the Environmental Assessment Practitioner responsible for the EIA process required to inform the applications for Environmental Clearance Certificates.

**EnviroServ Waste Management - Chloorkop Landfill Site, Midrand** (2019 - ongoing)

EnviroServ intend to expand their Chloorkop Landfill Site to enable ongoing disposal of general wastes.

Matthew was the Environmental Assessment Practitioner responsible for the Basic Assessment process required to inform the application for a waste management licence made in terms of NEM:WA, and an application in terms of the NWA.

**HHO Consulting Engineers (Pty) Ltd for SANRAL - Upgrading of N1 Section 18**  
(2017 - ongoing)

EIA and compliance monitoring for the widening of the National Route 1 Section 18, between Heuningspriet and Koppies, Free State Province.

Matthew was the reviewer responsible for oversight of the environmental authorisation application, Basic Assessment process and water use licence application.

**Gibb Engineering & Architecture (Pty) Ltd (Gibb) for SANRAL – Upgrading of N2 Section 18**  
(2017 - ongoing)

EIA and compliance monitoring for the widening of the National Route 2 Section 18, including road upgrade and material sourcing, between Viedgesville and Mthatha, Eastern Cape Province.

Matthew was the reviewer responsible for oversight of the environmental authorisation application, Basic Assessment process and water use licence application.

**NamWater - Desalination Plant and Water Carriage System** (2019 - 2020)

The Namibia Water Corporation Limited is undertaking a Feasibility Study for the development of a Desalination Plant and Water Carriage System, to secure water supply to the central coastal area of Namibia and Windhoek, as well as en-route users.

Matthew provided technical support to the Environmental Assessment Practitioner team responsible for undertaking the Scoping process required to inform the application for an Environmental Clearance Certificate in terms of Namibia's EMA.

**Sun International – Pyrolysis and Ash to Brick Plant** (2018 - 2019)

Sun International Limited proposed the establishment and operation of a waste to energy Pyrolysis plant and Ash-to-Brick plant at its Sun City resort in the North West Province. Residual general waste and certain hazardous wastes will be recovered at the Pyrolysis plant to generate approximately 100 kW of electricity for the resort.

Matthew was the Environmental Assessment Practitioner responsible for the Basic Assessment process required to inform the application for a waste management licence made in terms of NEM:WA, and an atmospheric emissions licence in terms of the NEM:AQA.

**RHDHV for Quidenica Investments – Thornridge Waste Park Conservancy**  
(2018)

Quidenica Investments has proposed the development of a waste park on a property at Cato Ridge, KwaZulu-Natal.

Matthew provided environmental inputs into an initial desktop environmental screening of the property and subsequent Master Plan development.

<p><b>Dundee Precious Metals - Tsumeb Smelter, Namibia (2017)</b></p>	<p>As part of plans to increase the capacity of the Tsumeb Smelter, Dundee Precious Metals appointed SLR to provide a high-level overview and opinion on current waste management strategies and operational procedures at the Tsumeb Smelter, including for both general and hazardous waste.</p> <p>Matthew managed the project which included the assessment of waste management strategies relative to national and international legislation and a review of current waste management practices and impacts of managed and unmanaged wastes at the site.</p>
<p><b>EnviroServ Waste Management - Holfontein Extension: Integrated Waste Management Facility, Gauteng (2014 to 2017)</b></p>	<p>EnviroServ intended to expand the facilities at their Holfontein Hazardous Waste Disposal Facility to include a range of additional disposal, recycling, recovery and treatment activities for both general and hazardous wastes. The project was withdrawn.</p> <p>Matthew was the Environmental Assessment Practitioner responsible for the integrated Scoping and EIA process required to inform the applications for authorisation made in terms of NEMA, NEM:WA, NWA and NEM:AQA.</p>
<p><b>EnviroServ Waste Management - Shongweni Landfill Site, Durban (2012 to 2017)</b></p>	<p>EnviroServ own and operate the Shongweni Landfill Site in terms of a waste management licence. EnviroServ made application to the Department of Water and Sanitation for a water use licence in terms of the NWA.</p> <p>Matthew was the project manager responsible for the integrated water use licence application made in terms of the NWA.</p>
<p><b>EnviroServ Waste Management - Holfontein Hazardous Waste Disposal Site, Gauteng (2013 to 2016)</b></p>	<p>EnviroServ own and operate the Holfontein Hazardous Waste Disposal Site in terms of a waste management licence. EnviroServ made application to the Department of Water and Sanitation for a water use licence in terms of the NWA.</p> <p>Matthew was the project manager responsible for the integrated water use licence application made in terms of the NWA.</p>
<p><b>EnviroServ Waste Management - Treatment technologies at Shongweni, KZN (2011 - 2012)</b></p>	<p>EnviroServ proposed to introduce a range of technologies for the recycling, recovery and treatment of wastes at the Shongweni Landfill Site, KZN.</p> <p>Matthew was the Environmental Assessment Practitioner responsible for the Scoping and EIA process required to inform the application for authorisation made in terms of the NEM:WA.</p>
<p><b>EnviroServ Waste Management - Treatment technologies at Holfontein, Gauteng (2011 - 2012)</b></p>	<p>EnviroServ proposed to introduce a range of technologies for the recycling, recovery and treatment of wastes at the Holfontein Hazardous Waste Disposal Site, Gauteng.</p> <p>Matthew was the Environmental Assessment Practitioner responsible for the Scoping and EIA process required to inform the application for authorisation made in terms of the NEM:WA.</p>
<p><b>EnviroServ Waste Management - Treatment technologies at Aloes, Port Elizabeth (2011 - 2012)</b></p>	<p>EnviroServ proposed to introduce a range of technologies for the recycling, recovery and treatment of wastes at the Aloes Landfill Site, Port Elizabeth.</p> <p>Matthew was the Environmental Assessment Practitioner responsible for the Scoping and EIA process required to inform the application for authorisation made in terms of the NEM:WA.</p>

	<p><b>Oil and Gas</b></p>
<p><b>Total Exploration &amp; Production South Africa – Additional Exploration in Block 11B/12B, South Africa (2020 – ongoing)</b></p>	<p>Total Exploration &amp; Production South Africa lodged an application with the Petroleum Agency of South Africa for environmental authorisation to undertake additional exploration activities in Block 11B/12B offshore of the Cape south coast, South Africa. The proposal included well drilling, CSEM and metocean monitoring campaigns.</p> <p>Matthew was the Environmental Assessment Practitioner responsible for the Scoping and ESIA process required to inform the application for environmental authorisation in terms of NEMA. Matthew managed the environmental impact assessment as well as an extensive public consultation process.</p>
<p><b>Afro Energy (Pty) Ltd – Regulation 54 A Audits of onshore exploration rights, South Africa (2018)</b></p>	<p>The Petroleum Agency of South Africa required that Afro Energy complete and submit Environmental Audit Reports for three onshore Exploration Rights.</p> <p>Matthew prepared reports reflecting the level of performance against and compliance with the EMPs and the suitability of the EMPs to manage the avoidance, management and mitigation of environmental impacts.</p>
<p><b>Rhino Oil and Gas Exploration South Africa (Pty) Ltd - Onshore exploration right applications, South Africa (2018 to 2020)</b></p>	<p>Rhino Oil &amp; Gas Exploration South Africa lodged two applications with the Petroleum Agency of South Africa for Exploration Rights to explore for petroleum products across onshore areas in the central-eastern regions of South Africa.</p> <p>Matthew was the Environmental Assessment Practitioner responsible for the Scoping and EIA process required to inform the application for environmental authorisation in terms of NEMA. Matthew managed the environmental impact assessment as well as an extensive public consultation process.</p>
<p><b>De Beers Marine (Pty) Ltd – Offshore Geophysical Survey in West Greenland (2019)</b></p>	<p>De Beers Marine proposed to undertake a short, geophysical survey in offshore West Greenland during July/August 2020. The geophysical survey would include seven seismic lines, undertaken between 66° and 67°N, for the purpose of testing different types of seismic equipment and obtaining high-resolution geophysical data.</p> <p>Matthew managed the preparation of environmental inputs to the Pre-scope application document in accordance with the requirements of the Greenland Minerals Authority.</p>
<p><b>Afro Energy (Pty) Ltd – Renewal of onshore exploration rights, South Africa (2018)</b></p>	<p>Afro Energy lodged made application with the Petroleum Agency of South Africa to renew two onshore Exploration Rights.</p> <p>Matthew prepared reports reflecting the extent of compliance with the requirements of the environmental authorisation for the exploration work programme.</p>
<p><b>Afro Energy (Pty) Ltd - Onshore exploration right applications, South Africa (2016 - 2017)</b></p>	<p>Afro Energy lodged two applications with the Petroleum Agency of South Africa for Exploration Rights to explore for petroleum products across various onshore areas.</p> <p>Matthew was the overall project manager, responsible for ensuring that the Scoping and EIA process meet the legislative and client requirements.</p>
<p><b>Rhino Oil and Gas Exploration South Africa (Pty) Ltd - Onshore exploration right applications, South Africa (2015 to 2017)</b></p>	<p>Rhino Oil &amp; Gas Exploration South Africa lodged five applications with the Petroleum Agency of South Africa for Exploration Rights to explore for petroleum products across various onshore areas in the eastern regions of South Africa.</p> <p>Matthew was the Environmental Assessment Practitioner responsible for the Scoping and EIA process required to inform the application for environmental authorisation in terms of NEMA. Matthew managed the environmental impact assessment as well as an extensive public consultation process.</p>

<b>Centlube (Pty) Ltd - Blending Plant at Wadeville (2014 to 2016)</b>	Centlube own an oil and lubricant blending and packaging facility in Wadeville that was operating without the required environmental authorisations. Matthew was the Environmental Assessment Practitioner responsible for the Section 24G process required to inform the rectification application for environmental authorisation in terms of both the ECA and NEMA.
<b>Energy Oil (Pty) Ltd - Waste oil recycling plant at Wadeville (2014 to 2016)</b>	Energy Oil own a waste oil recycling facility in Wadeville that was operating without the required waste management licence. Matthew was the Environmental Assessment Practitioner responsible for the Section 24G process required to inform the rectification application for environmental authorisation in terms of NEM:WA.
<b>Afro Energy (Pty) Ltd - Onshore exploration right applications, South Africa (2013 - 2014)</b>	Afro Energy lodged three applications with the Petroleum Agency of South Africa for Exploration Rights to explore for petroleum products across various onshore areas in the eastern regions of South Africa. Matthew was the Environmental Assessment Practitioner responsible for the EIA process required to inform the application for environmental authorisation in terms of the MPRDA.
<b>Badimo Gas (Pty) Ltd - Onshore exploration right applications, South Africa (2010 to 2013)</b>	Badimo Gas, and later Kinetiko Energy, lodged 12 applications with the Petroleum Agency of South Africa for Exploration Rights to explore for petroleum products across various onshore areas around Volksrust and Amersfoort, South Africa. Matthew was the Environmental Assessment Practitioner responsible for the EIA process required to inform the application for environmental authorisation in terms of the MPRDA.
	<b>Industry</b>
<b>Rappa Holdings - Homestead Road, Gauteng (2020 - ongoing)</b>	Rappa operates a facility that specialises in the recovery of gold from various materials and wastes acquired from mining and mineral processing operations. Some of the facilities and activities pose risk to the water resource and thus require a water use licence in terms of the NWA. Matthew is the project manager responsible for provision of support to Rappa in engaging with the Department of Water Affairs and for engineering solutions to surface water management.
<b>The South African Breweries – Glass Bottle Manufacturing Plant, Gauteng (2018 - 2019)</b>	SAB proposed the development of a glass bottle manufacturing plant on the farm Leeuwkuil 596 IQ in Vereeniging, Gauteng. The proposed glass bottle manufacturing plant would produce approximately 290 000 tons of green and amber coloured glass bottles using two gas fired furnaces. The facility would comprise a batch plant, main manufacturing building and warehouse. Matthew was the Environmental Assessment Practitioner responsible for the integrated Scoping and EIA process required to inform the applications for authorisation made in terms of NEMA, NEM:WA and NEM:AQA. An application for general authorisation under the NWA was also made.
<b>Clay Industry cc – Brick Manufacturing Plant (2018 – 2019)</b>	Clay Industry cc operates a brick manufacturing plant in Fisantekraal, Durbanville. Matthew was the project manager responsible for undertaking a general environmental compliance audit of the operations and managing an application for the renewal of the facilities atmospheric emissions licence in terms of the NEM:AQA.

<b>SmartMatta (Pty) Ltd – Anderbolt (2016 - 2017)</b>	Smart Matta made application for a Recycling and Waste Management Facility in Anderbolt, Boksburg. Matthew was the Environmental Assessment Practitioner responsible for management of the Basic Assessment process to inform a Waste Management Licence in terms of the NEM:WA.
<b>Rappa Holdings - Homestead Road operations, South Africa (2014 to 2017)</b>	Rappa operates a facility that specialises in the recovery of gold from various materials and wastes acquired from mining and mineral processing operations. Some of the facilities and activities may pose risk to the water resource and thus require a water use licence in terms of the NWA. Matthew was the project manager responsible for the integrated water use licence application made in terms of the NWA.
<b>Scaw South Africa - Electrical Cogeneration Power Plant and Ash Disposal Facility, Union Junction (2011 to 2015)</b>	Scaw proposed to establish a 67 MW Electrical Cogeneration Power Plant and Ash Disposal Facility at their Union Junction facility. The Ash Disposal Facility was designed to cater for power plant ash and other Scaw wastes. Matthew was the Environmental Assessment Practitioner responsible for the integrated Scoping and EIA process required to inform the applications for authorisation made in terms of NEMA, NEM:WA and NEM:AQA. The development was authorised.
<b>EnviroServ Waste Management – Treatment technologies at Shongweni, Durban (2011 - 2012)</b>	EnviroServ proposed to introduce a range of technologies for the recycling, recovery and treatment of wastes at the Shongweni Landfill Site, Durban. Matthew was the Environmental Assessment Practitioner responsible for the Scoping and EIA process required to inform the application for authorisation made in terms of the NEM:WA.
	<b>Mining</b>
<b>Jindal Iron Ore (Pty) Ltd (2021 - ongoing)</b>	Jindal Iron Ore has proposed to develop the Melmoth Iron Ore Mine in KwaZulu-Natal. Application will shortly be made for the authorisations required to support the mining right application. Matthew is the Stakeholder Engagement Manager responsible for planning and implementing public participation required in terms of the MPRDA, NEMA, NEM:WA and NWA.
<b>Hotazel Manganese Mines (Pty) Ltd (2020)</b>	Hotazel Manganese Mines operates a the Mamatwan Mine manganese mine near to Hotazel in the Northern Cape. Application has been made for an integrated Environmental Authorisation and update of the mine's EMPr to address a number of layout and activity change. Matthew assisted in drafting and review of the Scoping Report prepared in terms of the MPRDA, NEMA and NEM:WA.
<b>Tshipi É Ntle Manganese Mining (Pty) Ltd (2017)</b>	Tshipi É Ntle operates a manganese mine near to Kathu in the Northern Cape. Matthew undertook a review of reported non-compliances and corrective actions taken by Tshipi in response to previous audit findings and associated authorisation conditions. Covering the Environmental Authorisation, EMPr and Water Use Licence held by Tshipi for the period 2014 to 2017.

<b>Gecko Salt (Pty) Ltd - Cape Cross Salt Project (2016 – 2018)</b>	<p>Gecko Salt intends to develop a new solar salt production facility at the Cape Cross Salt Pan. The proposed project involves the mining of natural rock-salt and the establishment of salt crystallization pans for salt production by solar evaporation.</p> <p>Matthew was the Environmental Assessment Practitioner responsible for the compilation of the EIA Report required to inform the application for an environmental clearance certificate in terms of the Environmental Management Act, 2007.</p>
<b>Tronox Limited - Port Durnford Prospecting Rights, KwaZulu-Natal (2015)</b>	<p>Tronox hold prospecting rights over an area at Port Durnford and required investigations into the environmental features of the area to inform decision-making on future mining right applications.</p> <p>Matthew was the environmental scientist responsible for Environmental Sensitivity Study, Risk Review and Findings report.</p>
<b>Tronox Limited - Port Durnford Prospecting Rights, KwaZulu-Natal (2015)</b>	<p>Tronox hold prospecting rights over an area at Port Durnford and required investigations into the environmental features of the area to inform decision-making on future mining right applications.</p> <p>Matthew undertook a gap analysis of Specialist Studies previously compiled for the Port Durnford area.</p>
<b>Kumba Iron Ore - Sishen Mine, Dingleton (2014)</b>	<p>As part of the Sishen Western Expansion Project, Kumba Iron Ore proposed to demolish Dingleton Town to make way for mining operations. Waste arising from the demolition requires to be managed.</p> <p>Matthew compiled the draft waste management strategy for the Dingleton Resettlement Project.</p>
<b>Sishen Iron Ore Company - Kolomela Mine, Postmasburg (2014)</b>	<p>The activities, infrastructure and staff supporting the mining operations at Kolomela Mine generate significant volumes of waste. All of the wastes produced at Kolomela Mine require to be managed.</p> <p>Matthew project managed the compilation of a waste management strategy for the Kolomela Mine and the development of awareness and training material on the implementation of the waste management strategy.</p>
<b>MEMBERSHIPS</b>	
<b>EAPASA</b>	Registered Environmental Assessment Practitioner (2019/1107)
<b>SACNASP</b>	Registered with South African Council for Natural Scientific Professions as a Professional Natural Scientist (Pr.Sci.Nat) in Environmental Science (400155/17)
<b>IWMSA</b>	Member of the Institute of Waste Management South Africa (20112082) Committee member on the KZN branch of the IWMSA
<b>IAIAsa</b>	Member of the International Association of Impact Assessors (1753)
<b>DCCI</b>	Member of the Durban Chamber of Commerce and Industry and Vice-chair of the Environmental Forum (2019-2020)

**EAPASA**

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**Environmental Assessment  
Practitioners Association  
of South Africa**

*Advancing environmental assessment practice in South Africa*



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Mr Matthew Hemming  
2 Wattle Grove  
Hilton  
Pietermaritzburg  
3245

Sent by email to: [mhemming@slrconsulting.com](mailto:mhemming@slrconsulting.com)

Dear Mr Hemming

**Registered Environmental Assessment Practitioner: Number 2019/1107**  
**Matthew Grahame Hemming : South African ID 7703295043089**

The Environmental Assessment Practitioners Association of South Africa (EAPASA) herewith certifies that Matthew Grahame Hemming is a Registered Environmental Assessment Practitioner (EAP) 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).

Your registration is duly authorised by EAPASA as the single Registration Authority for EAPs in South Africa (appointed as per Regulation No. 104, Gazette No. 41434 of 8 February 2018, in terms of section 24H(3)(a) of the NEMA). Your status as a Registered EAP is displayed in the 'EAP Register' - please find your name and contact email address at

<https://registration.eapasa.org/registered-practitioners>

Your registration is effective for a period of five years from 30 June 2020, and expires on 30 June 2025. The renewal of your registration in 2025 will be contingent on you having met the requirements of EAPASA's Continuing Professional Development (CPD) policy during each year of registration.

As a Registered EAP you are required to uphold the EAPASA Code of Ethical Conduct and Practice in your professional endeavours, towards the goal of quality assurance in environmental assessment practice.

Please accept my congratulations on your registration.

Best regards

Dr Richard Hill  
Registrar  
Date: 30 June 2020

Board Members: Ms Snowy Makhudu (Chairperson), Mr Khangwelo Desmond Musetsho (Vice-Chairperson), Mr Ntsako Baloyi, Mr Zama Dlamini, Mr Siyabonga Gqalangi, Ms Jacqui Hex, Mr Phumudzo Nethwazi, Mr Danie Neumann.  
Registrar: Dr Richard Hill  
NPO Reg. No. 122-986



## NICHOLAS ARNOTT

### ASSOCIATE ENVIRONMENTAL CONSULTANT

Environmental Management, Planning and Approvals,  
South Africa

#### QUALIFICATIONS

BSc (Hons)	2005	Earth and Geographical Sciences (Environmental Management)
BSc	2004	Earth and Geographical Sciences, Zoology

#### EXPERTISE

- Environmental & Social Impact Assessment
- Environmental Legislation
- Environmental Management Programmes
- Stakeholder Engagement
- Environmental compliance & monitoring
- Environmental Control Officer

During his time at SLR, Nicholas has been responsible for undertaking environmental assessment processes for various projects relating to the mining, oil & gas, roads and related infrastructure, housing and industrial sectors. He has been involved in a number of projects in South Africa and has experience working in the Democratic Republic of Congo (DRC), Zambia and Zimbabwe.

He has expertise in a wide range of environmental disciplines, including Environmental Impact Assessments (EIA), Environmental Management Plans / Programmes (EMP), Basic Assessment Reports, Maintenance Management Plans (MMP), Environmental Auditing & Monitoring, Section 24(G) Rectification Applications and Public Consultation & Facilitation.

#### PROJECTS

##### Mining and Minerals

**De Beers Marine (Pty) Ltd – Basic Assessment for a Prospecting Right in Sea Areas 4C and 5C, West Coast, South Africa (Current)**

Basic Assessment process in support of a Prospecting Right application over Sea Areas 4C and 5C, off the West Coast of South Africa. Nicholas is the project manager and is responsible for the compilation of the Basic Assessment Report (BAR), undertaking of the required public participation process and management of the appointed specialists.

**Belton Park Trading 127 (Pty) Ltd – Prospecting Right application for Sea Concessions 13C, 15C, 16C, 17C & 18C, West Coast, South Africa (2020 -2022)**

Environmental Impact Assessment (EIA) process for the proposed offshore prospecting operations in Sea Concessions 13C, 15C, 16C, 17C and 18C, off the West Coast of South Africa. Nicholas was the project manager and is responsible for the compilation of the Scoping and Environmental Impact Reports, undertaking of the required public participation process and management of the appointed specialists.

**Belton Park Trading 127 (Pty) Ltd – Prospecting Right application for Sea Concessions 14B, 15B & 17B, West Coast, South Africa (2020 -2022)**

Environmental Impact Assessment (EIA) process for the proposed offshore prospecting operations in Sea Concessions 14B, 15B and 17B, off the West Coast of South Africa. Nicholas was the project manager and is responsible for the compilation of the Scoping and Environmental Impact Reports, undertaking of the required public participation process and management of the appointed specialists.

<b>De Beers Marine (Pty) Ltd – Environmental Impact Assessment for Bulk Sampling Activities for Offshore Marine Diamonds, West Coast, South Africa (2019 - 2022)</b>	EIA process for the proposed offshore Bulk Sampling operations in the Sea Concession 6C, off the West Coast of South Africa. Nicholas was the project manager and is responsible for the compilation of the Scoping and Environmental Impact Reports, undertaking of the required public participation process and management of the appointed specialists.
<b>Bilboes Holdings (Pvt) – Proposed Isabella, McCays and Bubi Sulphide Gold Project, Zimbabwe (2018 - 2020)</b>	Environmental and Social Impact Assessment (ESIA) for the proposed expansion of an existing gold mine complex located in Zimbabwe. Nicholas is the project assistant and compiled the Scoping Report, assisted with the undertaking of the required public participation process and management of the appointed specialists.
<b>Zevocept (Pty) Ltd – Development of a borrow pit, Western Cape, South Africa (2019 - 2020)</b>	Basic Assessment process for the proposed development of a borrow pit on Farm Modder Rivier, Western Cape. Nicholas assisted in the compilation of the BAR, overseeing the required public participation process and the management of the appointed specialists.
<b>De Beers Marine (Pty) Ltd – Pre-Scope Environmental Input for Offshore Geophysical Survey, Greenland (2019)</b>	Undertake an initial evaluation of the anticipated impacts associated with planned geophysical surveys to be undertaken off the west coast of Greenland and compile environmental input to be included into a Pre-Scope submission to the Greenland Minerals Authority. Nicholas undertook the management of the appointed specialists.
<b>Copper Tree Minerals – Proposed Kitwe Tailings Retreatment Project, Zambia (2017 - 2019)</b>	ESIA for the proposed retreatment of historical tailings dumps located within the town of Kitwe, Zambia. Nicholas is the project manager for the ESIA phase and is responsible for the compilation of the ESIA Report, undertaking of the required public participation process and management of the appointed specialists.
<b>De Beers Marine (Pty) Ltd – Prospecting Right application for offshore marine Diamonds in Sea Concession 6C, West Coast, South Africa (2018)</b>	Basic Assessment process for the proposed offshore prospecting operations in the Sea Concession 6C, off the West Coast of South Africa. Nicholas compiled the Basic Assessment Report (including EMP), undertook the required public participation process and managed the appointed specialists.
<b>Velddrift Salt Company (Pty) Ltd –Salt mine, Velddrift, South Africa (2018)</b>	Update the Financial Provision for the salt mine on Portion 69 of Farm 110 near Velddrift, Western Cape, South Africa. Nicholas undertook the update of the existing financial provision and prepared the assessment report.
<b>Impala Platinum Limited Unincorporated Joint Venture – EMP Performance Assessment and Closure Liability Estimate for Prospecting Operations (2017)</b>	EMP Performance Assessment and Closure Liability Estimate for the Klipgatkop 115-JQ prospecting operations. Nicholas was the project manager and compiled the EMP Performance Assessment and Closure Liability Estimate reports.



<b>Belton Park Trading 127 (Pty) Ltd – Mining Right application for offshore marine Diamonds in Sea Concession 2C, West Coast, South Africa (2016 - 2017)</b>	EIA process for the proposed offshore mining of marine diamonds in the Sea Concession 2C, off the West Coast of South Africa. Nicholas compiled the Scoping and EIA Reports (including EMP), undertook the required public participation process and managed the appointed specialists.
<b>Belton Park Trading 127 (Pty) Ltd – Marine Sediment Sampling Activities in Sea Concessions 2C – 5C, West Coast (2014 - 2015)</b>	Basic Assessment process for the proposed drill and bulk sampling of marine sediments in Sea Concessions 2C, 3C, 4C and 5C, off the West Coast of South Africa. Nicholas compiled the BAR (including EMP), undertook the required public participation process and managed the appointed specialists.
<b>Aquarius Platinum (SA) (Pty) Ltd – Prospecting rights application on the Farms Chieftains Plain 46-JT and Walhalla 1-JT (2014)</b>	Environmental Management Programme (EMP) for the proposed prospecting activities to be undertaken on the Farm Chieftains Plain 46-JT and Walhalla 1-JT. Nicholas was the project manager and compiled the EMP for both projects.
<b>Aquarius Platinum (SA) (Pty) Ltd – Proposed Extension of the K5 Upper Underground Mining Area (2014)</b>	EIA amendment process for the existing K5 Upper Mining Right to provide for the extension of the K5 Upper underground mining area. Based on the strong public reaction to the project, AQPSA took the decision to place the project on hold. Nicholas was the project manager and undertook the initial public participation process.
<b>Banro Corporation - Proposed Namoya Gold Mining Project, Maniema, DRC (2013)</b>	ESIA for the proposed construction of a greenfield gold mine located in the DRC. Nicholas was the project manager and compiled the ESIA Report (including EMP), undertook the required public participation process and managed the appointed specialists.
<b>Aquarius Platinum (SA) (Pty) Ltd – Kroondal and Marikana EMP Consolidation (2013 - 2015)</b>	Consolidation of the existing approved EMPs for the Kroondal and Marikana Platinum Mines, located in the North West Province. Nicholas was the project manager and compiled of the Consolidated EIA Report (including EMP) for each operation and managed the appointed specialists.
<b>Aquarius Platinum (SA) (Pty) Ltd – WULA for the proposed extension of Everest Platinum Mine (2011 - 2012)</b>	Water Use License Application (WULA) process for the proposed expansion of the Everest Platinum Mine, located in Mpumalanga. Nicholas assisted in the compilation of the necessary WULA documentation, including the Integrated Water and Waste Management Plan (IWWMP) for the project.
<b>Aquarius Platinum (SA) (Pty) Ltd – Proposed Extension of Everest Platinum Mine (2011 - 2012)</b>	EIA process for the proposed expansion of the Everest Platinum Mine, located in Mpumalanga. Nicholas was the project manager and compiled of the Scoping and EIA Reports (including EMP), undertook the required public participation process and managed the appointed specialists.
<b>Afplats (Pty) Ltd – EMP Performance Assessment for Prospecting Operations (2011)</b>	EMP Performance Assessment for the Wolwekraal 408-JQ and Kareepoort 407-JQ prospecting operations. Nicholas was the project manager and compiled the EMP Performance Assessment reports.

<b>Aquarius Platinum (SA) (Pty) Ltd – Re-assessment of the Financial Provision for Closure for Everest Platinum Mine (2011)</b>	Annual re-assessment of the closure cost estimate for the Everest Platinum Mine. Nicholas was the project manager and compiled the annual review of the mines Financial Provision for Closure for 2011.
<b>Leeuw Mining and Exploration (Pty) Ltd – Proposed Underground Coal Mine (2011)</b>	EIA process for the proposed underground coal mine located near Utrecht, Kwa-Zulu Natal. Nicholas was the project manager and compiled of the Scoping and EIA Report (including EMP), undertook the required public participation process and managed the appointed specialists.
	<b>Oil and Gas</b>
<b>Rhino Oil &amp; Gas Exploration South Africa (Pty) Ltd – EIA for exploration well drilling in 318ER, Free State, South Africa (Current)</b>	EIA process for the proposed exploration well-drilling activities in ER318, Free State, South Africa. Nicholas is the project manager for the EIA Process and is responsible for compiling the Scoping and EIA Reports (including EMP), undertaking the required public participation process and managing the appointed specialists.
<b>ION Geophysical Corporation – Basic Assessment for a proposed 3D Seismic Survey, West Coast, South Africa (Current)</b>	Basic Assessment process in support of a Reconnaissance Permit Application for a 3D seismic survey off the West Coast of South Africa. Nicholas is the project manager for the Basic Assessment process and is responsible for compiling the BAR (including EMP), undertaking the required public participation process and managing the appointed specialists.
<b>Rhino Oil &amp; Gas Exploration South Africa (Pty) Ltd - Performance Assessment for Renewal of Exploration Right No. 294, Free State Province (2022)</b>	EMPr Performance Assessment of exploration activities in support of an Exploration Right Renewal Application over various farms in the Free State Province (Exploration Right No. 294). Nicholas was the project manager and compiled the EMP Performance Assessment report.
<b>Rhino Oil &amp; Gas Exploration South Africa (Pty) Ltd - Performance Assessment for Renewal of Exploration Right No. 318, Free State Province (2022)</b>	EMPr Performance Assessment of exploration activities in support of an Exploration Right Renewal Application over various farms in the Free State Province (Exploration Right No. 318). Nicholas was the project manager and compiled the EMP Performance Assessment report.
<b>Searcher Geodata UK Limited – Reconnaissance Permit Application for 2D and 3D seismic surveys off the West and South-West Coast South Africa (2021)</b>	EMP process for the proposal to undertake 2D and 3D speculative seismic surveys offshore of the West and South-West Coasts, South Africa. Nicholas was the project assistant and provided input into the EMP report, facilitated the required public participation process and managed the appointed specialists.

<b>Total E &amp; P (SA) (Pty) Ltd - Proposed Seismic Surveys and Additional Exploration Activities in Block Deep Western Orange Basin off the West Coast of South Africa (Current)</b>	EIA process for the proposed offshore exploration activities in the Block Deep Western Orange Basin, West Coast of South Africa. Nicholas is the project manager for the EIA Process and is responsible for compiling the Scoping and EIA Reports (including EMP), undertaking the required public participation process and managing the appointed specialists.
<b>New Age Energy Algoa (Pty) Ltd – Environmental Audit Algoa-Gamtoos Block, East Coast of South Africa (2020)</b>	Environmental Audit undertaken in compliance with Section 54 (A)(2) of the EIA Regulations, 2014 (as amended) for the exploration activities conducted in the Algoa-Gamtoos Block. Nicholas was the project manager and responsible for undertaking the required audit and compiling the audit report.
<b>PGS Exploration (UK) Limited – Reconnaissance Permit Application for 2D and 3D seismic surveys offshore West Coast South Africa (2018)</b>	EMP process for the proposal to undertake 2D and 3D speculative seismic surveys offshore of the West Coast, South Africa. Nicholas was the project manager and compiled the EMP report, undertook the required public participation process and managed the appointed specialists.
<b>PGS Exploration (UK) Ltd – 2D and 3D seismic surveys compliance, South and East Coasts, South Africa (2015-2016)</b>	EMP Compliance and audit services for speculative 2D and 3D seismic surveys off the South and East Coasts of South Africa. Nicholas' role included managing the audit process and compiling the survey close-out reports, which outlined the implementation of the EMP (compliance) and highlighted any problems and non-compliance issues that arose during each survey.
<b>PGS Exploration (UK) Limited – Reconnaissance Permit Application Amendment to undertake a 3D seismic survey offshore KwaZulu-Natal, South Africa (2018)</b>	EMP Amendment process for the proposal to undertake a 3D speculative seismic survey offshore of KwaZulu-Natal, South Africa. Nicholas was the project manager and compiled the Amended EMP report, undertook the required public participation process and managed the appointed specialists.
<b>PGS Exploration (UK) Limited – Reconnaissance Permit Application to undertake 2D and 3D seismic surveys, South Africa (2017)</b>	EMP process for a Reconnaissance Permit Application to undertake 2D and 3D speculative seismic surveys of the East Coast, South Africa. Nicholas was the project manager and compiled the EMP report, undertook the required public participation process and managed the appointed specialists.
<b>Rhino Oil &amp; Gas Exploration South Africa (Pty) Ltd – Proposed Exploration Activities in offshore Licence Blocks 3617 and 3717, South-West coast of South Africa (2015 -2016)</b>	EIA process for the proposed offshore exploration activities in Licence Blocks 3617 and 3717, South-West coast of South Africa. Nicholas assisted in the compilation of the Scoping and EIA Reports (including EMP), undertook the required public participation process and managed the appointed specialists.

<b>Rhino Oil &amp; Gas Exploration South Africa (Pty) Ltd – Proposed Exploration Activities in Various Inshore Licence Blocks, South-West coast of South Africa (2015 -2016)</b>	EIA process for the proposed exploration activities in various inshore Licence Blocks, South-West coast of South Africa. Nicholas assisted in the compilation of the Scoping and EIA Reports (including EMP), undertook the required public participation process and managed the appointed specialists.
<b>Total E &amp; P (SA) (Pty) Ltd - Proposed bathymetry survey and seabed sediment sampling in Block 11B/12B (2014 -2015)</b>	EMP Addendum for an application to undertake sonar surveys and seabed sediment sampling as part of the approved exploration programme for License Block 11B/12B. Nicholas was the project manager and compiled the EMP report, undertook the required public participation process and managed the appointed specialists.
	<b>Infrastructure – Roads</b>
<b>AECOM SA for Western Cape Government (WCG): Department of Transport &amp; Public Works - Upgrading of TR31/2 between Ashton and Montagu (2018 - 2019)</b>	ECO services for the upgrading of Trunk Road 31 Section 2, Cogmanskloof Pass, between Ashton and Montagu, including the main roads through the two towns. Nicholas served as the ECO during the interim contract phase and provided monthly ECO audit reports.
<b>GIBB (Pty) Ltd for WCG:DTPW – Construction of Erosion Protection Measures for the Swart River Bridge, South Africa (2016 - 2017)</b>	Basic Assessment process for the proposed implementation of erosion protection measures along a section of the Swart River which is traversed by the TR 34, approximately 7 km north of Prince Albert. Nicholas was the project manager and compiled the Basic Assessment Report (BAR), undertook the required public participation process and managed the appointed specialist.
<b>SMEC SA (Pty) Ltd for South African National Roads Agency SOC Ltd (SANRAL) - Proposed establishment of a Quarry, Eastern Cape (2016 - 2018)</b>	EIA process for the proposed development of a quarry for the extraction of material for the construction of the Mthentu and Msikaba Bridges for the N2 Wild Coast Toll Highway. Nicholas compiled the Scoping and EIA Reports (including EMP), and project managed the required public participation process.
<b>Hatch Goba (Pty) Ltd for WCG:DTPW- Maintenance Management Plan for flood damage repair of structures in the Ladismith West area (2016 - 2017)</b>	Maintenance Management Plan (MMP) for the proposed repairs to road infrastructure at fourteen different sites that were damaged during flood events in the Ladismith West area situated between Ladismith and Montagu. Nicholas was the project manager and compiled the MMP, undertook the required public participation process and managed the appointed specialist.
<b>ERO Engineers (Pty) Ltd for WCG:DTPW - Proposed Repair and Reseal of Main Road (MR) 233 to Langebaan (2015)</b>	MMP for the proposed rehabilitation works of the MR 233 between the R 27 (km 6.80) and north of Langebaan (km 12.84). Nicholas was the project manager and compiled the MMP, undertook the required public participation process and managed the appointed specialist.



<b>Ekurhuleni Metropolitan Municipality (Eastern Region) – Proposed Gauteng Road (P1894) (2007 - 2009)</b>	EIA for the construction of a new road between Sam Smith Road (Tsakane) and Vlaktefontein Road (Kwa-Thema), Ekurhuleni Metropolitan Municipality. Nicholas was the project manager and compiled the Scoping and EIA Report (including EMP), undertook the required public participation process and managed the appointed specialists.
	<b>Infrastructure – Water and Wastewater</b>
<b>BVI Consulting Engineers WC (Pty) Ltd for the City of Cape Town: Transport for Cape Town – Proposed upgrade of the Bayside Canal (2015 -Ongoing)</b>	Basic Assessment process for the upgrade of the Bayside Canal Outfall System located in Tableview, Cape Town. Nicholas is the project manager and is responsible for compiling the BAR, undertaking the required public participation process and managing the appointed specialists.
<b>Meerenhof Properties (Pty) Ltd - Expansion of dams, South Africa (2017 – 2022)</b>	Construction and expansion of irrigation dams on Uitsig Farm, Constantia, Cape Town. Nicholas is fulfilling the role of ECO and provides monthly ECO audit reports.
<b>Saldanha Bay Municipality - Maintenance Management Plans for the Bok and Mosselbank Rivers (2016 - 2017)</b>	MMP for the proposed maintenance activities to be undertaken within the Bok and Mosselbank Rivers. Nicholas was the project manager, compiled the MMPs and undertook the required public participation process.
<b>BVI Consulting Engineers WC (Pty) Ltd for the City of Cape Town: Transport for Cape Town – Proposed stormwater pipeline linking Sunningdale to the Big Bay stormwater outfall pipeline (2015 -2016)</b>	Basic Assessment process for the construction of a new stormwater pipeline to route runoff from Sunningdale Phases 12A, 13 and 14 to the existing Big Bay Outfall pipeline located at the eastern boundary of the suburb of Big Bay. Nicholas was the project manager and compiled the BAR, undertook the required public participation process and managed the appointed specialists.
<b>Arup - Proposed Sandspruit Rehabilitation for Stormwater Management of Melrose Arch, Sandton (2010)</b>	Basic Assessment for the rehabilitation of the Sandspruit to facilitate the management of stormwater runoff emanating from the Melrose Arch precinct. Nicholas was the project manager and compiled the BAR (including EMP), undertook the required public participation process and managed the appointed specialists.
	<b>Infrastructure – Solid Waste</b>
<b>Interwaste Environmental Solutions (Pty) Ltd – ESIA for the proposed Wesco Waste Management Facility, Western Cape (Current)</b>	ESIA for the construction of a new integrated waste management facility in the Western Cape. Nicholas is the project manager and will be responsible for compiling the Scoping and ESIA Report (including EMPr), undertaking the required public participation process and managing the appointed specialists.
<b>Energy Omega Oils (Pty) Ltd – Audit of Blackheath Waste Storage Facility (2017)</b>	External audit of the Blackheath Waste Storage Facility in terms of the National Norms and Standards for the Storage of Waste (Government Notice No. 926 of 29 November 2013). Nicholas undertook and compiled the audit report.

<b>Impala Platinum (Pty) Ltd - Proposed Central Salvage Yard (2011 - 2012)</b>	Basic Assessment process and Waste Management License application for the proposed construction of a salvage yard, and associated activities, located at Impala Platinum's Rustenburg operations. Nicholas compiled the BAR (including EMP), undertook the required public participation and waste management license application processes and managed the appointed specialists.
	<b>Power - Solar</b>
<b>South Africa Mainstream Renewable Power Developments (Pty) Ltd – Proposed Scaffell Cluster Photovoltaic Plants, Free State Province (2021 - 2022)</b>	Four separate EIA processes for the proposed construction of Photovoltaic Plants with a combined generating capacity of up to 475 MW, located in the Free State Province. Nicholas is the project manager and is responsible for the review and compilation of the Scoping and EIA Reports (including EMP) for all projects, undertaking the required public participation processes and managed the appointed specialists.
<b>SolarReserve South Africa (Pty) Ltd – Proposed Kalkaer CSP and Photovoltaic Plants, Free State (2014 -2015)</b>	EIA process for the proposed construction of a Concentrated Solar Thermal Plant (CSP) and a Photovoltaic Plant, located in the Free State Province. Nicholas was the project manager and compiled of the Scoping and EIA Reports (including EMP) for both projects, undertook the required public participation process and managed the appointed specialists.
	<b>Built Environment – Residential</b>
<b>Luna Country Club Holdings - Proposed Subdivision of Erf 177476, St James (2017 – Ongoing)</b>	Basic Assessment process for the subdivision of Erf 177476 into five separate portions with the intent to sell four of the subdivided portions to third-parties for residential use. Nicholas is the project manager and is responsible for compiling the BAR, undertaking the required public participation process and managing the appointed specialists.
<b>Mountain View Estate Shareblock Company Limited - Proposed Mountain View Estate (2009 - 2010)</b>	EIA for a residential and aviation estate on the Farm Simonsview 490-JQ, and various portions of the Farms Kalkheuwel 493-JQ, Rhenosterspruit 495-JQ and Riverside 497-JQ, Gauteng and North West Province. Nicholas was the project manager and compiled of the Scoping and EIA Report (including EMP), undertook the required public participation process and managed the appointed specialists.
<b>Lead Wood Development Company (Pty) Ltd - Proposed Leadwood Nature Estate (2008)</b>	EIA for a residential and game estate on the Remainder of Portion 2 of The Farm Happyland 241-KT, Hoedspruit, Limpopo. Nicholas was the project manager and compiled of the Scoping and EIA Report (including EMP), undertook the required public participation process and managed the appointed specialists.
<b>Hayes Matkovich Developments (Pty) Ltd – Proposed Standerton Country Estate (2008)</b>	EIA for a golf estate on the Portions of the Farms Grootverlangen 409-IS and Langerwyl 410-IS, Standerton, Mpumalanga. Nicholas was the project manager and compiled of the Scoping and EIA Report (including EMP), undertook the required public participation process and managed the appointed specialists.
<b>Sugar Creek Trading 33 (Pty) Ltd - Proposed Development of Zandspruit Estate (2007 -2008)</b>	EIA for a residential, game and aviation estate on the Remainder of The Farm Happyland 241-KT, Hoedspruit, Limpopo. Nicholas was the project manager and compiled of the Scoping and EIA Report (including EMP), undertook the required public participation process and managed the appointed specialists.

<b>C.J.Irons CC - Taemane Residential Estate (2007)</b>	Basic Assessment for the proposed residential estate located on a Part of the Remainder of Portion 52 of the Farm Garstfontein 374-JR, Pretoria, Gauteng. Nicholas was the project manager and compiled the BAR (including EMP), undertook the required public participation process and managed the appointed specialists.
<b>Riverspray Lifestyle Estate (Pty) Ltd - Proposed Riverspray Lifestyle Estate (2006)</b>	EIA for a residential and lifestyle estate on bank of the Vaal River in Vanderbijlpark, Gauteng. Nicholas was the project manager and compiled of the Scoping and EIA Report (including EMP), undertook the required public participation process and managed the appointed specialists.
<b>Built Environment – Recreation</b>	
<b>South African National Parks (SANParks) - Proposed Preekstoel Boardwalk Within the West Coast National Park (2009)</b>	Basic Assessment for the establishment of boardwalks in the Preekstoel section of the West Coast National Park, (SANParks). Nicholas was the project manager and compiled the BAR (including EMP), undertook the required public participation process and managed the appointed specialists.
<b>SANParks - Construction of a Walkway and Suspension Bridges in the Tsitsikamma National Park (2008)</b>	Basic Assessment for the establishment of a walkway and additional suspension bridges in the Tsitsikamma National Park, South Africa. Nicholas was the project manager and compiled the BAR (including EMP), undertook the required public participation process and managed the appointed specialists.
<b>Other</b>	
<b>Richmond Park Development Company (Pty) Ltd - Proposed establishment of a fuel station on Erf 38333, Milnerton, Cape Town (2019 - 2022)</b>	Basic Assessment for the establishment of a fuel station on Erf 38333, Milnerton, Cape Town. Nicholas was the project manager and compiled the BAR (including EMP), undertook the required public participation process and managed the appointed specialists.
<b>We Buy Cars Properties (Pty) Ltd – The construction of a warehouse, Brackenfell (2019)</b>	ECO services for the construction of the We Buy Cars warehouse in Brackefell, Western Cape. Nicholas acted as the [project manager and was responsible for reviewing the monthly ECO reports.
<b>City of Tshwane Metropolitan Municipality (MM) - Expansion of the Winterveld Cemetery (2007 - 2010)</b>	Basic Assessment for the expansion of the existing Winterveld Cemetery located within the City of Tshwane Metropolitan Municipality. Nicholas was the project manager and compiled the BAR (including EMP), undertook the required public participation process and managed the appointed specialists.
<b>City of Tshwane MM - Expansion of the Klipkruisfontein Cemetery (2007 - 2010)</b>	Basic Assessment for the expansion of the existing Klipkruisfontein Cemetery located within the City of Tshwane Metropolitan Municipality. Nicholas was the project manager and compiled the BAR (including EMP), undertook the required public participation process and managed the appointed specialists.
<b>Tolplan (Pty) Ltd for SANRAL – Proposed Central Operations Centre (COC), Midrand (2009)</b>	Basic Assessment for the proposed construction of the SANRAL COC Building. Nicholas was the project manager and compiled the BAR (including EMP), undertook the required public participation process and managed the appointed specialists.

<b>Erf5 Melrose Estate CC - Section 24G Rectification for a Roof Signboard (2008)</b>	Rectification Application in terms of Section 24G (S24G) of the National Environmental Management Act, 1998 for the unlawful erection of a roof signboard on the corner of Juta and Eendracht Streets, Johannesburg. Nicholas was the project manager and compiled the Rectification Application (including EMP) and undertook the required public participation process.
<b>Wideopen Leasing (Pty) Ltd – S24G Rectification for a Sky Sign, 78 Fox Street (2007)</b>	Rectification Application in terms of S24G of the National Environmental Management Act, 1998 for the unlawful erection of a Sky Sign at 78 Fox Street, Johannesburg. Nicholas was the project manager and compiled the Rectification Application (including EMP) and undertook the required public participation process.
<b>MEMBERSHIPS</b>	
<b>EAPASA</b>	Registered Environmental Assessment Practitioner: Number 2019/1001
<b>Pr.Sci.Nat.</b>	Registered as a Professional Natural Scientist - Environmental Scientist (Reg. no. 113939)
<b>International Association for Impact Assessment – South Africa (IAIASa)</b>	Western Cape Branch Committee - Chairperson (Current) Western Cape Branch Committee - Secretary (2019 – 2021)
<b>PUBLICATIONS</b>	
Rossouw, N. & Arnott, N. (Still in Review). Good Practice Environmental Guideline for Marine Minerals Activities in the Benguela Current Large Marine Ecosystem.	



Registration No. 2019/1001

*Herewith certifies that*

Nicholas Arnott

*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





## GUGU DHLAMINI

### ENVIRONMENTAL CONSULTANT

#### QUALIFICATIONS

BSc (Hons)	2018	Environmental Sciences
BSc	2017	Applied Sciences in Environmental Technology

#### EXPERTISE

- Basic Assessment Report (BAR) and Environmental Impact Assessment Report (EIAR)
- Stakeholder Engagement
- Public Participation Processes

Gugu is an Environmental Consultant with three years' experience within the environmental consulting. Gugu has predominantly worked on various mining projects since joining SLR and is currently also branching into the renewables sector. Gugu has undertaken Visual Impact Assessment fieldwork for a confidential client in the renewables sector. Gugu has also performed the role of an Environmental Auditor/Environmental Control Officer for a gas exploration project in Mpumalanga

#### PROJECTS

##### Environmental Impact / Basic Assessments

<b>Marula Platinum (Pty) Ltd - Marula Solar PV Plant Project (2021 – present)</b>	Scoping and Environmental Impact Assessment (EIA) process for the proposed establishment of a solar PV plant at the marula platinum mine. Gugu is assisting with the compilation of the Scoping Report and EIA Report and the undertaking of the required public participation process.
<b>Marula Platinum (Pty) Ltd - Proposed Changes to the Approved Layout to the Marula Platinum Mine (2021 – present)</b>	Basic Assessment Report (BAR) and Environmental Management Programme Report (EMPr) for the Proposed Changes to the Approved Layout at the Marula Platinum Mine. Gugu's roles included the compilation of the BAR and the undertaking of the required public participation process.

<b>Mn48 Pty (Ltd) - Mn48 EMP Amendment (2020 - Present)</b>	Basic Assessment and Environmental Management Programme Report for the Consolidation of the Mn48 Mining Right Area and Khwara Mining Right Application Area, Including the Associated Environmental Management Programmes and Changes to Approved Surface Infrastructure Layout. Gugu assisted with the compilation of the BAR, the undertaking of the required public participation process, the appointment and management of specialists and the compilation of the Integrated Water and Waste Management Plan.
<b>Richards Bay Minerals (Pty) Ltd (RBM) - RBM Evaluation of Resettlement and Relocation (2021)</b>	Assessment of the implementation of the RBM Zulti South resettlement program to assess its effectiveness and compliance. Gugu acted as project assistant and assisted with conducting the interviews for the audit of the resettlement with the Potentially Affected Parties.
<b>Northam Platinum Limited - Norplats Plant Substation Expansion (2020-2021)</b>	Basic Assessment and Environmental Management Programme Report for the Upgrade of the Plant Substation at the Zondereinde Mine. Gugu assisted in the compilation of the Basic Assessment Report.
<b>Hotazel Manganese Mines (Pty) Ltd - Mamatwan Basic Assessment- Waste Rock Dump merge (2019 - 2020)</b>	Basic Assessment Report and Environmental Management Programme Report for the Merging of The Mamatwan Sinterfontein WRD and Tshipi Eastern WRD. Gugu's role included being the overall project assistant and assisting with the undertaking of the required public participation process.
<b>Hotazel Manganese Mines (Pty) Ltd - Mamatwan Integrated Regulatory Process (2019 - 2021)</b>	EIA and EMP to cater for layout/activity changes that have already taken place at the MMT as well as proposed layout/activity changes. Gugu's role included being the overall project assistant and assisting with the undertaking of the required public participation process.
<b>Tshipi é Ntle Manganese Mining (Pty) Ltd - Tshipi EMP3 Closure project (2019)</b>	Basic Assessment Report and Environmental Management Programme Report for The Alternative Closure and Rehabilitation Project at the Tshipi Borwa Mine. Gugu's role included general project administration tasks and assisting with the undertaking of the required public participation process.
<b>United Manganese of Kalahari (Pty) Ltd - UMK Closure Amendment EIA- (2019)</b>	Environmental Impact Assessment and Environmental Management Programme for UMK Mine Closure Amendment. Gugu's role included the appointment of specialists and assisting with the undertaking of the required public participation process.
	<b>Environmental Auditing</b>
<b>Kinetiko Energy Limited - General Environmental Services to Kinetiko (2021 – present)</b>	Environmental advisory services for the ongoing gas exploration in the Amersfoort project. Gugu plays the role of the environmental auditor and undertakes the audit process, review of findings and reporting of findings. Gugu also assists the geologist to undertake the water monitoring and sampling.
	<b>Visual Fieldwork</b>
<b>Confidential Client – Proposed Wind Energy Facilities and Solar Energy Facilities in South Africa (Present)</b>	Proposed Wind Energy Facilities and Solar Energy Facilities in South Africa. Gugu's role included the undertaking of fieldwork for two visual impact assessments for the proposed wind and solar energy facilities.
	<b>Projects outside of South Africa</b>



<b>AngloGold Ashanti Iduapriem Limited - Sustainability Report for the Redevelopment of Iduapriem Mine Block 1 (Ghana) (2021)</b>	Sustainability Report for the Redevelopment of Iduapriem Mine Block 1. Gugu assisted with the compilation of the sustainability report and the appointment of specialists.
	<b>Stakeholder Engagement/Public Participation</b>
<b>Jindal Iron Ore (Pty) Ltd - Jindal Melmoth Iron Ore Project (2021 – Present)</b>	Scoping and EIA process for the proposed Melmoth Iron Ore Project. Gugu was the Stakeholder Engagement Facilitator and assisted the Stakeholder Engagement Manager with the undertaking of the required robust Public Participation Process for the proposed project, including the facilitation of approximately 30 public and authority meetings.
<b>Impala Platinum Limited - Impala Social &amp; Labour Plan (SLP) Public Participation (2021)</b>	Stakeholder engagement on the SLP Implementation for the Financial Year 2020. Gugu facilitated the SLP Public Participation (PP) and assisted in the compilation of the SLP PP report.
<b>Afplats (Pty) Ltd - Afplats Wolvekraal PR Closure (2020)</b>	Basic Assessment, Environmental Management Programme and Closure Plan for the Closure of the Wolvekraal Prospecting Right. Gugu assisted with the undertaking of the required public participation process.
<b>Project Badger (2019 – 2020)</b>	Project Assistant. Registration of the Storage of Alcohol at the Anheuser-Busch Inbev (Abinbev) Chamdor Brewery. Gugu was the overall project assistant for the registration of the project with the Gauteng Department of Agriculture and Rural Development.
<b>Impala Platinum Limited - Minimum Air Quality Emissions Standards Postponement Application for Impala Platinum Limited (North West Province) (2019)</b>	Project Assistant. Gugu assisted with the Stakeholder Engagement Process as part of an Air Quality Minimum Emissions Standards Postponement Application Process for the Impala Smelter Complex.
<b>Northam Platinum Limited - Minimum Air Quality Emissions Standard Postponement Application for the Zondereinde Northam Platinum Mine in the Limpopo Province (2019)</b>	Project Assistant. Gugu assisted with the Stakeholder Engagement Process as part of an Air Quality Minimum Emissions Standards Postponement Application Process for the Zondereinde Smelter Complex.

<b>Minimum Air Quality Emissions Standard Postponement Application for Anglo American Platinum's Polokwane (Limpopo Province), Waterval (North West Province) and Mortimer Smelter (Limpopo Province) operations (2019)</b>	Project Assistant. Gugu assisted with the Stakeholder Engagement Process as part of an Air Quality Minimum Emissions Standards Postponement Application Process for the Waterval, Polokwane and Mortimer Smelter Complexes.
<b>MEMBERSHIPS</b>	
<b>IAIASA</b>	Member of the International Association for Impact Assessments (South Africa).
<b>TRAINING</b>	
<b>IAIASA MPU Branch Event</b>	Attended the DFFE Updates to the Screening Tool Webinar