

CONTACT DETAILS

Name of Company	Coastal and Environmental Services (Pty) Ltd
Trading as	CES
Description of Company	Environmental and Social Advisory Services
Designation	Remote (KwaZulu-Natal)
Profession	Senior Environmental Consultant
Years of Relevant Experience	5 years
E-mail	andile.nxumalo@cesnet.co.za
Office number	046 622 2364
Mobile	+27 (0) 71 406 2479
Nationality	South African
Professional Body	<ul style="list-style-type: none">➤ EAPASA: Environmental Assessment Practitioners Association of South Africa (#2022/55450)➤ IAIAAsa: International Association for Impact Assessment South Africa➤ SAWS: South African Wetland Society➤ SAAG: Southern African Association of Geomorphologists
Key areas of expertise	<ul style="list-style-type: none">➤ GIS Mapping & Creation➤ Environmental Impact Assessments (EIA, BA, S24G)➤ Strategic Environmental Assessments (SEA)➤ Environmental Management Plans (EMP)➤ Environmental Auditing/Monitoring (ECO)➤ Water Use License Applications (WULA)➤ Waste Management Licenses (WML)➤ Environmental Feasibility Studies➤ Public Participation Programmes (PPP)➤ Stakeholder Engagement

PROFILE

Andile has expertise and experience to professionally manage a broad range of projects in the environmental management field. Project experience includes environmental services for the industrial sector, wind farms, private housing estates, petrol stations, human settlements, tourism, public works and municipal planning, infrastructure projects including road and water infrastructures and pipelines as well as the mining and agricultural sectors. Andile also has on site construction experience which has given him a unique insight into the challenges faced when balancing the needs of the environment versus those of development.

Andile is currently enrolled for an MA (Geography & Environmental Management) from Stellenbosch University. His research assesses the contribution of wetland rehabilitation interventions at three selected wetlands in the KwaZulu-Natal province of South Africa to determine the attained level of improvement in ecological condition and function following rehabilitation by Working for Wetlands (WfWetlands). Having previously obtained a BA (Hons) in (Geography & Environmental Management) from the University of the Witwatersrand and a BA (Geography & Development Studies) from the University of Johannesburg.

Andile may undertake the following independent and objective environmental consultancy services; GIS mapping, Scoping & Environmental Impact Assessments (EIA), Basic Assessments (BA), Section (24G) Impact Assessments, Environmental Management Plans (EMP), Strategic Environmental Assessments (SEA), Environmental Auditing/Monitoring (ECO), Environmental Feasibility Studies, Water Use License Applications (WULA), General Authorisations (GA), Waste Management Licenses (WML), Public Participation Programmes (PPP), Stakeholder Engagement and with a growing interest in Wetland Delineation, Wetland Condition and Ecosystem Services Assessment and Wetland Rehabilitation Plans.

**EMPLOYMENT
EXPERIENCE**

- **Senior Environmental Consultant – Coastal and Environmental Services (Pietermaritzburg, KwaZulu-Natal, South Africa)**
July 2024 – Current
 - Environmental Impact Assessments
 - Basic Assessments
 - Environmental Management Plans
 - Environmental Auditing/Monitoring
 - Water Use License Applications
 - Waste Management Licenses

- **Senior Environmental Consultant – Milnex CC Environmental Consultants (Potchefstroom, North-West, South Africa)**
March 2022 – June 2024
 - Environmental Impact Assessments
 - Basic Assessments
 - Section (24G) Impact Assessments
 - Environmental Management Plans
 - Environmental Auditing/Monitoring
 - Water Use License Applications
 - Waste Management Licenses
 - Plough Certificate Applications
 - Wetland Rehabilitation Plans
 - Public Participation Programmes
 - Project Management
 - Quotations & Fee Proposals

- **Site Environmental Control Officer (SECO) - Concor Construction (formerly Murray & Roberts Construction) (Flagstaff & Lusikisiki, Eastern Cape, South Africa)**
October 2020 – October 2021
 - Conducting toolbox talks with the construction workforce and environmental training.
 - Conducting water testing/monitoring at river streams (ph levels, dissolved oxygen, TDS, TSS and water temperatures).

- Keeping weekly/monthly records of water abstraction points e.g., boreholes and river streams.
- Management of heritage artifacts found on site.
- Management and reporting of oil spills encountered on site.
- Management and disposal of wastewater produced by the concrete batch plant.
- Management and supervising the wastewater treatment works facility.
- Management of waste and hazardous waste on site and storage facilities.
- Management and implementation of storm water controls on site (rock berms, silt fences and windrows)- silt traps on site.
- Management and supervising stockpiles on site – topsoil and wetland soil.
- Seeding of stockpiles and management of grass on site.
- Conducting alien vegetation clearing across site.
- Conducting plant rescue and management of the plant nursery on site.
- Resecuring and capturing dangerous animals on site e.g. night adder
- Conducting and drafting environmental method statements on site.
- Issuing deviation reports to non-compliances.
- Ensuring site is compliant to legislation and conditions set by the EA.
- Ensuring site is compliant to legislation and conditions set by the EMP.
- Ensuring site maintains high compliance scores for monthly external environmental audits.

➤ **Environmental Consultant – NS Environmental Consultants (Pty) Ltd
(Durban, KwaZulu-Natal, South Africa)**

November 2019 – September 2020

- GIS Mapping & Creation
- Environmental Impact Assessments
- Basic Assessments
- Section (24G) Impact Assessments
- Environmental Management Plans
- Environmental Auditing/Monitoring
- Water Use License Applications
- Public Participation Programmes
- Quotations & Fee Proposals
- Project Administrative Duties

➤ **Environmental Consultant – Hanslab Environmental Consultants (Pty) Ltd
(Durban, KwaZulu-Natal, South Africa)**

January 2019 – October 2019

- GIS Mapping & Creation
- Environmental Impact Assessments
- Basic Assessments
- Section (24G) Impact Assessments
- Environmental Management Plans
- Environmental Auditing/Monitoring
- Water Use License Applications
- Public Participation Programmes
- Quotations & Fee Proposals
- Project Administrative Duties

**ACADEMIC
QUALIFICATIONS**

- 2016 – BA Geography & Development Studies (University of Johannesburg)
- 2017 – BA (Hons) Geography & Environmental Management (University of the Witwatersrand)
- 2024 – Current: MA Geography & Environmental Management (Stellenbosch University)

COURSES

- Waste Management - Presented by: Institute of Waste Management of Southern Africa. 2021.
- Grass Identification and Seed Physiology - Presented by: Working on Grass (Pty) Ltd. 2022.
- Veld Management - Presented by: Working on Grass (Pty) Ltd. 2022.
- Tools for Wetland Assessment - Presented by: (Rhodes University, in association with GroundTruth, The Water Research Commission and Verdant Environmental). 2021.

**CONSULTING
EXPERIENCE**

BASIC ASSESSMENTS

- 1. North West University (NWU) Potchefstroom Campus, Fanie du Toit Sports Complex. 2023.**
Basic Assessment Process for the construction of a new concrete bridge over the Mooirivier, minor roadworks associated with the new and replacement of infrastructure, a functional stormwater overflow for the retention dam, upgrade the existing stormwater canal, wastewater treatment plant to compliment irrigation, upgrade the existing irrigation reservoir and subsequently demolish the existing damaged bridge on Portion 24 & Portion 412 of Farm Potchefstroom Town and Townlands 435 and Portion 1 of Erf 1302, Registration Division: IQ; North West Province.
- 2. Transnet Group Capital, Bulk Gas Tank Plinths and Roadway at Bay 1-2, and 61 within the Transnet Engineering Precinct. 2020.**
Basic Assessment Process for the Bulk Gas Tank Plinths and Roadway at Bay 1-2, and 61 within the Transnet Engineering Precinct, Rossburgh, Durban, KwaZulu-Natal, South Africa.
- 3. Transnet Group Capital, the extension of Tug Jetty at the "R" Berth, Port of Durban, KwaZulu-Natal. 2020.**
Basic Assessment Process for the extension of Tug Jetty at the "R" Berth, Port of Durban, KwaZulu- Natal, South Africa.
- 4. eThekweni Municipality proposed Realignment and Upgrade of the Kenneth Kaunda/ Beachway/ Umhlanga Rocks Drive and Blackburn Intersection, Durban North, KwaZulu-Natal, South Africa. 2020.**
Basic Assessment Process to obtain an Environmental Authorisation for the intersection upgrade of Kenneth Kaunda/Beachway/Umhlanga Rocks Drive and Blackburn Intersection.
- 5. National Treasure Minerals (Pty) Ltd, Mining Permit Application, combined with a Waste Licence Application. 2022.**
Basic Assessment Process for the Mining Permit Application, combined with a Waste Licence Application for mining of Chrome Ore (LG & MG Seams) and

Platinum Group Metals (PGM) on a certain portion on a portion of remaining extent & Portion of portion 2 of the farm Uitvalgrond 105, Registration Division JQ, North West Province.

6. Maatla Diamond Mining (Pty) Ltd, Prospecting Right Application without bulk samples, near Kleinzee, Northern Cape. 2023.

Basic Assessment Process for the Prospecting Right to prospect Diamond DIA, Diamond (Alluvial), Diamond (General) and Diamond (in Kimberlite) near Kleinzee on a certain portion of the remaining extent of the farm Kleinzee 654, certain portion of portion 4, portion of portion 15, portion of the remaining extent, portion of the remaining extent of portion 2, and a certain portion of the remaining extent of portion 9 of the farm Dikgat 195, Registration division; Namaqualand RD, within the Northern cape Province.

7. G7 Renewable Energies (Pty) Ltd, Kannikwa Vlake Wind Farm Project. 2022.

Basic Assessment for the proposed development of the Kannikwa Vlake Wind Farm Project and associated infrastructure near Richtersveld in the Northern Cape Province.

8. Vancol (Pty) Ltd, Cattle Feedlot & Associated Infrastructure, near Viljoenskroon, Free State. 2023.

Basic Assessment Process for the establishment of a cattle feedlot to accommodate approximately 800 cattle with 80 cattle per pan (A1-10), including a pollution control dam consisting of sedimentation pond & holding pond (2 tier system), handling facility with offload, on-load, handling, receiving, and sorting areas and feed storage area.

FULL SCOPING AND ENVIRONMENTAL IMPACT ASSESSMENTS

1. Morgenson Mining (Pty) Ltd, Prospecting Right Application without bulk samples, along the West Coast, Northern Cape. 2023.

Scoping and EIA process for a proposed Prospecting Right Application to prospect for Diamonds General (D) & Diamonds Alluvial (DA) within the Offshore Sea Concession Area 6B, along the West Coast, Namaqualand District Municipality, Northern Cape Province.

2. Morgenson Mining (Pty) Ltd, Prospecting Right Application without bulk samples, along the West Coast, Northern Cape. 2023.

Scoping and EIA process for a for the proposed Prospecting Right Application to prospect for Diamond (Alluvial) on a certain area (Excluding the Namaqua National Park Marine Protected Area) within offshore Sea Concession Area 9B, on the West Coast near Groenrivier & Barnards Bay, Namakwa District Municipality, Northern Cape Province.

3. Ntabiseng Courts Trust, Alteration of ± 100ha of Virgin Soil to Agricultural Land for Centre Pivots Irrigation. Near Kimberley, Northern Cape. 2023.

Scoping and EIA process and Plough Certificate Application for the proposed alteration of ± 100ha of virgin soil to agricultural land for the purpose of centre pivots on Portion 4 of the Farm Leeuwpoort 161, Registration Division: Kimberley RD, Northern Cape Province.

- 4. Mulder Mining Investments (Pty) Ltd, Mining Right Application near Schweizer-Reneke in the district of Bloemhof, North West. 2024.**
Scoping and EIA process for the proposed Mining Right combined with a Water Use License Application for the mining of Diamonds Alluvial (DA) and Diamonds General (D) on the remaining extent of portion 2 of the farm Matlabane Stad 299 and Portion 4 of the farm Holfontein 297, Registration Division: HO, North West Province.
- 5. eThekweni Municipality: Housing Development and Planning, Emona Sunhills Housing Development – Phase 1, Tongaat, KwaZulu-Natal. 2021.**
Scoping and EIA process for the proposed Emona Sunhills Housing Development – Phase 1, inclusive of construction of roads and sidewalks, construction of sewer services including tie in into main municipal line, construction of water services including tie into main municipal line, construction of storm water management system (roads, platforms and attenuation ponds), construction of platforms and a total of 250 sites to be provided for in Phase 1.
- 6. eThekweni Municipality: Housing Development and Planning, Umbhayi Housing Development, Tongaat, KwaZulu-Natal. 2020.**
Scoping and EIA process for the proposed Umbhayi Housing Development - Umbhayi is an informal settlement located in the periphery of Tongaat, North of Durban. This development was initiated by the eThekweni Department of Human Settlements. The development aimed to construct 779 Reconstruction & Development Programme (RDP) houses. Each unit to be 48.2 sqm with the capacity of supporting services such as electricity and water.
- 7. Midbar Boerdery (Pty) Ltd, Alteration of ± 120ha – 170ha of Virgin Soil to Agricultural Land for Centre Pivot Irrigation, Near Jacobsdal, Free State.**
Scoping and EIA process for the Environmental Authorisation for the proposed alteration of ± 120ha – 170ha of virgin soil to agricultural land for the dryland cultivation of ± 100ha – 150ha and an area of 20ha under centre pivot irrigation, together with associated infrastructure near Jacobsdal on the farm Waterval West 104, Registration Division Jacobsdal, Free State Province.
- 8. Glomix Mining CC, Prospecting Right Application, near Schweizer-Reneke, North-West. 2024.**
Scoping and EIA process for a Prospecting Right application to prospect for Stone Aggregate; Gravel (St), Silica Sand (Q), Sand Manufactured from Hard Rock (QH) & Sand (QY) with bulk sampling including associated infrastructure, structure and earthworks, near Schweizer-Reneke on portion 1 of the farm London 112, portion 2 of the farm London 112, portion 3 of the farm London 112, and the remaining extent of portion 67 of the farm London 112, Registration Division: HO, North-West Province.

ENVIRONMENTAL AMENDMENT APPLICATIONS

- 1. Johan Smit, Part 2 Amendment Process, near Springbok, Northern Cape. 2024.**
Scoping and EIA process for the proposed Part 2 Amendment application to include bulk sampling and new minerals. The minerals to be included are Copper Ore, Lithium Ore, Uranium Ore and Zinc Ore to the existing prospecting right without

bulk sampling on the remaining extent of the farm Jomat 178, Portion 1, Portion 2, Portion 3, Portion 4 and Portion 5 of the farm Predikant Vlei 190, the remaining extent, Portion 1, Portion 2, Portion 3, the remaining extent of Portion 4 and Portion 5 of the farm Ronde Vley 189, Registration Division Namaqualand, Northern Cape Province.

2. Klipdam Diamond Mining Company (Pty) Ltd, Part 2 Amendment Process, near Windsorton, Northern Cape. 2022.

Scoping and EIA process Part 2 amendment process to amend the existing Mining Right (NC003MRC) on remaining extent of the farm Klipdam157, a certain portion of Erf 2004, a certain portion of Erf 2003 and a certain portion of Erf 1 to extend the Mining Right area by consolidating Four (4) Rights which include NC003MRC, NC2131PR, NC1193PR and NC11681PR, Registration Division: Barkley West, Northern Cape Province.

3. Morgenson Mining (Pty) Ltd, Part 2 Amendment Process, near Prieska, Northern Cape. 2023.

Scoping and EIA process Part 2 amendment process to extend the prospecting area and include new activities and make provision for bulk sampling to prospect for Diamonds Alluvial (DA), Diamonds General (D), Diamonds in Kimberlite (DK) and Diamonds (DIA), east of Prieska on Portion 1 of the farm Blaauwbosch Draai 141 and Portion 1 (Herbouw) of the farm Zwem Kuil 37, Registration Division: Prieska, Northern Cape Province.

SECTION (24G) IMPACT ASSESSMENTS

1. Jacobus Nicolaas van Coller, S24G rectification process, near Viljoenskroon, Free State Province. 2023.

S24G rectification process as required by the National Environmental Management Act (107 of 1998) for commencing with activities and the construction of associated infrastructure for a cattle feedlot prior to obtaining an environmental authorisation on an area of ±5ha on the farm Rooddam 256, near Viljoenskroon, Registration Division: Viljoenskroon, Free State Province.

2. Burgert David Naudé, S24G rectification process, near Hoopstad, Free State. 2022.

S24G rectification process as required by the National Environmental Management Act (107 of 1998) for commencing with activities and the construction of a feedlot and its associated activities prior to obtaining an environmental authorisation on the Remaining Extent & Portion 2 of the Farm Vesuvius 216, near Hoopstad in the Free State Province.

WATER USE AUTHORIATION (WUA) APPLICATIONS

1. LGM Minerals (Pty) Ltd, Section 21 Water Use Licence Application, near Schweizer-Reneke, North West. 2024.

Section 21(a), (b), (g), (c) & (i) of the National Water Act, 1998 (Act No. 36 Of 1998) for prospecting activities on the remaining extent & Portion 1 (Driehoek) of the farm Balmoral 105 and Portion 1 of the farm Windsor 119, Registration Division: HO, Magisterial District of Schweizer-Reneke, North West Province.

2. Morgenson Mining (Pty) Ltd, Section 21 Water Use Licence Application, near Windsorton, Northern Cape. 2023.

Section 21(a), (b), (c), (g) (i) & (i) of the National Water Act, 1998 (Act No. 36 Of 1998) for prospecting activities on the remaining extent of Farm 38, Portion 1 of the Farm Slyplip North 32 and Unalienated State Land, Registration Division: Barkly West, Northern Cape Province.

ENVIRONMENTAL AUDITING/MONITORING

1. Concor Mota-Engil Joint Venture (CMEJV) for the Msikaba River Bridge Project, Eastern Cape. 2020-2021.

Environmental Auditing/Monitoring for the Msikaba bridge a cable-stayed bridge, currently under construction, spanning the Msikaba River, near Lusikisiki in the Eastern Cape Province of South Africa. The bridge forms part of the N2 Wild Coast Road (N2WC) project, which aims to improve the travel time between Durban and East London for light and heavy freight vehicles.

2. Nankhoo Engineers and Project Managers, P280, L311, P176 Weenen Roads and Structures, Estcourt, KwaZulu-Natal. 2020.

Environmental Auditing/Monitoring for the construction of the P280, L311, P176 Weenen Roads and Structures within Estcourt, KwaZulu-Natal Province.

3. Nankhoo Engineers and Project Managers, L2135 Majola Road Bridge, Estcourt, KwaZulu-Natal. 2019.

Environmental Auditing/Monitoring for the construction of the L2135 Majola Road Bridge within Estcourt, KwaZulu-Natal Province.

4. KwaZulu-Natal Department of Transport, D1240 Road Upgrade, Estcourt, KwaZulu-Natal. 2020.

Environmental Auditing/Monitoring for the upgrade and expansion of the D1240 Road within Estcourt, KwaZulu-Natal Province.

5. KwaZulu-Natal Department of Transport, P179 Road Upgrade, Estcourt, KwaZulu-Natal. 2020.

Environmental Auditing/Monitoring for the upgrade and expansion of the P179 Road within Estcourt, KwaZulu-Natal Province.

6. Umkhanyakude District Municipality, Jozini Wastewater Treatment Works, Jozini, KwaZulu-Natal. 2019.

Environmental Auditing/Monitoring for the construction of the Jozini Wastewater Treatment Works and associated infrastructure within Jozini, KwaZulu-Natal Province.

CERTIFICATION

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

Andile Grant Nxumalo

Date: 06 June 2024