

## CONTACT DETAILS

<b>Name of Company</b>	Coastal and Environmental Services (Pty) Ltd
<b>Trading as</b>	CES
<b>Description of Company</b>	Environmental and Social Advisory Services
<b>Designation</b>	Gauteng
<b>Profession</b>	Principal Environmental Consultant
<b>Years of Relevant Experience</b>	8 years
<b>E-mail</b>	Phumela.madubela@cesnet.co.za
<b>Office number</b>	+27 (0) 87 549 1647
<b>Mobile</b>	+27 (0) 63 884 6439
<b>Nationality</b>	South African
<b>Professional Body</b>	<ul style="list-style-type: none"><li>➤ SACNASP: South African Council for Natural Scientific Profession Can.Sci.Nat. Reg No. 137670 (2022)</li><li>➤ EAPASA: Registered Environmental Assessment Practitioner (Reg No 2022/4779)</li><li>➤ IAIA: International Association for Impact Assessment Reg. No. 1251598</li><li>➤</li></ul>
<b>Key areas of expertise</b>	<ul style="list-style-type: none"><li>➤ Environmental Impact Assessment</li><li>➤ Environmental Auditing</li><li>➤ Environmental Management Plans</li><li>➤ Water Quality Assessment and Monitoring</li><li>➤ Ambient Air Quality Monitoring and Dust Fallout Sampling</li></ul>

## PROFILE

Phumela is a qualified and experienced Environmental Scientist with a broad knowledge of delivering environmental monitoring and compliance projects. She is a passionate scientist with the ability to quickly adapt to changing conditions and can multi-task under high demands. She holds an Honours Degree in Environmental Monitoring and Modelling (B.Sc. Hons) from the University of South Africa and a B.Sc. Degree in Environmental Science from the University of Kwa Zulu Natal.

With over 8 years' experience as an environmental consultant, Phumela specializes in Environmental Monitoring, Compliance and Management. Her key expertise includes Water Quality Monitoring, Environmental Compliance (Auditing) and associated field sampling. She has been involved with several Environmental Impact Assessments (EIA) including Renewable Energy, Basic Assessments (BA), Water Use License Applications, Public Participation Processes (PPP), Waste Characterization and Waste Management License Applications. Phumela's skills include Stakeholder engagement, Quality management system, Business development, Interpretation of applicable Environmental Legislation, Client Liaison with Environmental Monitoring Committee for projects and the Department of Environmental Affairs.

Phumela is a registered Environmental Assessment Practitioner with EAPASA and a Candidate Natural Scientist with SACNASP.

**EMPLOYMENT  
EXPERIENCE**

- October 2024 – Present – Principal Environmental Consultant – CES (Pty) Ltd
- August 2022 – September 2024 – Environmental Scientist/ Consultant – SiVEST (Pty) Ltd
  - Project Management
  - Environmental Impact Assessments
  - Basic Assessments
  - Environmental Management Plans
  - Environmental Auditing/Monitoring
  - Environmental Control Officer Services
  - Water Use License Applications
- April 2016 – July 2022– Environmental Scientist – GIBB (Pty) Ltd
  - Project Management
  - Environmental Auditing/Monitoring
  - Dust fallout Monitoring
  - Environmental Control Officer Services
  - Environmental Impact Assessments
  - Basic Assessments
  - Environmental Management Plans
  - Public Participation Programmes
  - Water Use License Applications
  - Integrated Waste Management Plans
  - Waste Characterisation
  - Quotations and Fee Proposals
  - Project Administrative Duties

**ACADEMIC  
QUALIFICATIONS**

- Bachelor of Science (Hons) in Environmental Monitoring and Modelling – 2020 (University of South Africa)
- Bachelor of Science in Environmental Science – 2016 (University of KwaZulu-Natal)

**COURSES**

- Project Management Training (SiVEST SA, 2022)
- Financial Management Training (SiVEST SA, 2022)
- Toast Masters (SiVEST SA, 2023)

**CONSULTING  
EXPERIENCE**

**ENVIRONMENTAL PLANNING / STRATEGIC PROJECTS**

**Pre-feasibility Studies/Screening**

- Juwi Renewable Energies: Site Screening of 6 greenfield sites (2022)  
Role: EAP and Report Writing
- Department Sports, Arts and Culture: Environmental Screening of Archives Buildings, (2022)  
Role: Environmental Consultant and Report Writing

- Nedbank Private Equity” Environmental Due Diligence (2023)  
Role: Environmental Consultant and Report Writing

#### **ENVIRONMENTAL MONITORING AND AUDITING**

- Vikisi Villa: ECO for construction of upmarket residence (2022).  
Role: ECO and Report Writing
- Rejem: ECO for the construction of the Newmarket Retail Centre (2022).  
Role: ECO and Report Writing
- Rejem: ECO for the construction of the Newmarket Retail Centre (Toyota, Jonsson Wear, Car wash) (2023).  
Role: ECO and Report Writing
- Rejem: ECO for the construction of the Netcare Alberton and Medimix Facility (2022).  
Role: ECO and Report Writing
- BMW South Africa – Plant Rosslyn: Tank Compliance Audit (2022).  
Role: Auditor and Report Writing
- BMW South Africa Plant Rosslyn: External Compliance Audit of Water Use Licence (2022).  
Role: Auditor and Report Writing
- Sundale Free Range Dairy: External Compliance Audit of Sundale’s Environmental Authorisation and Waste Management Licence (2022).  
Role: Auditor and Report Writing
- ECO services for the compliance monitoring for the ERF 650 LA Mercy construction activity: Dube TradePort Corporation (2022).  
Role: ECO and Report Writing
- ECO for National Road 11 Section 4 between Ingogo Station (KM 21.0) and Kwaggasnek (KM 39.0): Leo Consult on behalf of SANRAL (2022).  
Role: ECO and Report Writing
- ECO services for the construction of Pedestrian Facilities on the N2, Section 25 between Umlaas Canal (km 4.0) and Wandsbeck road (km 19.5): GIBB (Pty) Ltd on behalf of SANRAL (2021).  
Role: ECO and Report Writing
- ECO services for the upgrade of Track 833887 in Bhekulwandle: Arvidya Civils on behalf of Ethekwini Municipality (2022).  
Role: ECO and Report Writing
- ECO services for the Landside infrastructure, deepening and widening of berth 203 to 205 at the Durban Container Terminal (DCT), Port of Durban: Transnet Capital Projects (2017).

Role: ECO and Report Writing

- ECO services for the road upgrade of Sani Pass 2 from gravel to hardtop: Department of Transport (2017).  
Role: ECO and Report Writing
- ECO services for the road upgrade of Sani Pass 2 Quarry: Department of Transport (2017).  
Role: ECO and Report Writing

#### **ENVIRONMENTAL IMPACT ASSESSMENTS**

##### **Energy:**

- Enertrag South Africa: Hendrina North 132kV Powerline BA (2022)  
Role: EAP and Report Writing
- Eskom Holdings SOC: Iphiva Substation EIA (2022)  
Role: Assistant EAP and Report Writing
- Mainstream Renewable Power SA: Beaufort West Wind Energy Facility Cluster (2023)  
Role: Project Leader, EAP and Report Writing
- Mainstream Renewable Power SA: Beaufort West Grids (2023)  
Role: Project Leader, EAP and Report Writing
- Juwi South Africa: Roos Solar PV Facility (2023)  
Role: Project Leader, EAP and Report Writing
- Juwi South Africa: Mayogi Solar PV Facility (2023)  
Role: Project Leader, EAP and Report Writing
- Juwi South Africa: Hartebeest WEF (2023)  
Role: Project Leader, EAP and Report Writing
- Enertrag South Africa: Hendrina North 132kV Powerline BA (2022)  
Role: Assistant EAP and Report Writing
- Enertrag South Africa: Hendrina South 132kV Powerline BA (2023)  
Role: Assistant EAP and Report Writing

##### **Agriculture**

- Home Grown With Love: Basic Assessment for the proposed aquaculture facility (2022).  
Role: Project Leader, EAP and Report Writing
- Integrated Aquaculture: Basic Assessment for the proposed aquaculture facility (2022).  
Role: Assistant EAP and Report Writing

#### **Section 24G**

- Standard Bank: Mogale's Gate Farm Section 24G (2022).  
Role: Assistant EAP and Report Writing

#### **Wastewater Treatment Works**

- Environmental Scientist to conduct the Scoping and EIR process, NHRA-AMAFA process, IWULA process, CWDP process Waste Management License process and Specialist studies for Hitachi Desalination: Hitachi (Pty) Ltd (2016)  
Role: Environmental Scientist, PPP and Report Writing

#### **Sustainability and Health & Safety**

- Environmental Scientist to undertake Environmental Management Programme (EMPr) for the proposed installation of additional erosion protection structures along the Sani Pass (P318) (2017).  
Role: Project Leader and Reviewer
- Environmental Scientist to conduct site assessments and interviews with community members affected by mine operations, as well as stakeholders from the Richards Bay Mine: The Department of Economic Development, Tourism and Environmental Affairs (2017).  
Role: Environmental Scientist, Field Technician and Report Writing
- Environmental Scientist to review current SHEQ specifications, conduct gap analysis and prepare SHEQ specification: Bombela Concession Company (Pty) (2017).  
Role: Project Leader and Reviewer
- Health and Safety Audits for Boitumelo Construction: Gauteng Department of Infrastructure Development (2017).  
Role: Project Leader and Reviewer
- Health and Safety Audits for Bombela Centurion Parking Extension: Bombela Concession Company (Pty) Ltd (2017).  
Role: Project Leader and Reviewer

#### **ENVIRONMENTAL MONITORING**

##### **Water Quality Monitoring**

- Environmental Scientist to conduct, oversee and report on all the brine, marine water, sediment and macro fauna quality sampling in the Port of Saldanha: Transnet TPG (2022).  
Role: Environmental Scientist and Report Writing
- Environmental Scientist to conduct, oversee and report on all the sediment quality sampling in the Port of Durban for the extension of Berth 203 to 205. Project manage all the marine sampling (water quality, sediment, fish, birds, macro and microfauna) where sampling is conducted on a quarterly basis for a period of 6 years: Transnet Capital Projects (2017).  
Role: Environmental Scientist, Field Technician and Report Writing

- Environmental Scientist to conduct surface and groundwater monitoring at the Polihali dam: Lesotho Highlands Development Authority (LHDA) (2016).  
Role: Environmental Scientist, Field Technician and Report Writing
- Environmental Scientist to conduct, oversee and report on all the sewage water sampling at the central wastewater treatment works for the proposed Hitachi desalination plant: Hitachi South Africa (2017).  
Role: Environmental Scientist and Field Technician
- Environmental Scientist to conduct, oversee and report on all the marine and sediment quality sampling in the channel of the Durban harbour for the proposed intake point of the desalination plant. (2017).  
Role: Project Administrator and Field Technician
- Environmental Scientist to conduct surface water monitoring to determine the impact of construction and operation of the Oakford Priority Housing Development on Mdloti River: Ethekwini Municipality. (2016).  
Role: Project Administrator and Field Technician
- Environmental Scientist to conduct water monitoring of three boreholes at Oakford Priority Housing Development: FCE on behalf of Ethekwini Municipality (2016).  
Role: Project Administrator and Field Technician
- Environmental Scientist to conduct auditing and sampling for Burlington Housing Project: ECA Consulting (2019).  
Role: Project Administrator and Field Technician

#### **Air Quality Management and Monitoring / Dust Fallout**

- Transnet Monitoring - Conducting Air quality, Water quality monitoring and management of the complaints received from the public for Warehouse in Durban: Transnet SOC Ltd (2016).  
Role: Project Administrator, Field Technician and Report Writing
- Evander Equipment Supply - Servicing and calibration of analysers, data management at various air pollution monitoring stations: Msunduzi Municipality (2017).  
Role: Project Administrator and Report Reviewer
- Supply and installation of EBAM Plus PM10 particulate monitoring equipment: Evander Gold (2017).  
Role: Project Administrator and Report Reviewer
- PetroSA Air Quality Monitoring - Supply, install and manage new passive samplers. Undertake monthly calibrations of the stations, submitting results to client, write up of reports each month for the client with regard to the record results: PetroSA (2018).  
Role: Project Administrator and Report Reviewer
- Vale Air Quality Monitoring - Supply, install and manage new Ambient Air Quality Stations. Undertake monthly calibration of the stations, submitting results to client.

Write reports each month for the client with regard to the record results: Vale Mozambique (2016).

Role: Project Administrator and Report Reviewer

- Fugitive Dust Fallout Monitoring - Conduct monthly site visits and do sampling. Get the samples tested and write monthly reports for the client on the results: Eskom SOC Ltd (2016).

Role: Project Administrator and Report Writing

- RBM Dust Fallout Monitoring - Conduct monthly site visits and do sampling. Get the samples tested and write monthly reports for the client on the results: Richards Bay Minerals (2016).

Role: Project Administrator, Field Technician and Report Writing

- Msunduzi Equipment Supply - Supply, install and manage new Ambient Air Quality Stations. Undertaking monthly calibrations of the stations, submitting results to client. Write reports each month for the client with regard to the record results: Msunduzi Local Municipality (2018).

Role: Project Administrator and Report Reviewer

- Tongaat Hulett Dispersion Modelling - Undertaking a dispersion modelling study for the Felixton Mill: Tongaat Hulett (2019).

Role: Project Administrator and Report Reviewer

- Polihali Environmental Monitoring - Conduct monthly site visits and do sampling. Get the samples tested and write monthly reports for the client on the results: Lesotho Highlands Development Authority (LHDA) (2018).

Role: Project Administrator, Field Technician and Report Writing

#### **WASTE MANAGEMENT**

- Revise the Maphumulo Local Municipality Integrated Waste Management Plan (IWMP) (2021).

Role: Project Administrator, Field Technician and Report Writing

- Review and update the Waste Management Plan for DTPC Agrizone: Dube Tradeport Corporation. (2017).

Role: Project Administrator, Field Technician and Report Writing

**CERTIFICATION**

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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.

**PHUMELA MADUBELA**

Date: 07 October 2024