

# Siphelele Mkhize

## Environmental Scientist



<b>Profession</b>	Environmental Scientist
<b>Education</b>	BSc (Hons) Geography, University of South Africa, 2018 Certification in ISO 14001 Environmental Management Systems Auditing, Aspects International, 2018 BA, Environmental Management; University of South Africa, 2015
<b>Registrations/</b>	Member, IAIAAsa Candidate EAP, 2020/1412
<b>Affiliations</b>	
<b>Awards</b>	None

### Specialisation

Siphelele has gained nearly four years' experience in the environmental consulting industry, gaining diverse experiences within the sector. His early career primarily focused on the remediation of contaminated land and groundwater which involves scientific site investigations, environmental-legal compliance, stakeholder, as well as local and national authorities' engagement. He has shown aptitude and a sound understanding of the environmental authorization industry, having taken up the role of Environmental Assessment Practitioner (EAP) in numerous industrial developments and housing projects. In addition to his problem-solving skills, Siphelele has a proven record of offering technical solutions that are cost-effective and environmentally sustainable.

### Expertise

Siphelele Mkhize has been involved in the field of environmental and geographical sciences and management since 2016. Since joining SRK, his expertise includes:

- stakeholder engagement;
- environmental legislation and related processes;
- data capture, verification, interpretation and analysis;
- planning for and completing environmental compliance and licence compliance audits.

### Employment

**2016 – present** SRK Consulting (Pty) Ltd, Environmental Scientist, Durban

### Publications

None

### Languages

English – read, write, speak  
IsiZulu – read, write, speak

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### Key Experience: Environmental management

Location: Newcastle Energy  
 Project duration & year: 2020  
 Client: Newcastle Energy (Pty) Ltd  
 Name of Project: Newcastle Gas Engine Power Plant  
 Project Description: Scoping & Environmental Impact Report (S&EIR Process)  
 Job Title and Duties: Public Participation  
 Value of Project: N/A

Location: Isipingo, Durban  
 Project duration & year: 2020  
 Client: Isegen  
 Name of Project: Isegen relocation of esterification plant  
 Project Description: Basic Assessment for the relocation of the esterification plant from Umgeni to Isegen Isipingo  
 Job Title and Duties: Public Participation  
 Value of Project: N/A

Location: Durban  
 Project duration & year: 2020  
 Client: Acacia Leasing (Pty) Ltd (Subsidiary of AECI)  
 Name of Project: Sites 17B and 57 Pha  
 Project Description: Phase III ESA, Remediation of Contaminated Land  
 Job Title and Duties: Field Scientist responsible for day to day remediation oversight, Dust management, ECO auditing against EMPr and Remediation Action Plan (RAP)  
 Value of Project: N/A

Location: Umlazi, Durban  
 Project duration & year: 2019 - 2019  
 Client: Van Dyck Carpets  
 Name of Project: Van Dyck Carpets Decommissioning Phase 1 Site Assessment  
 Project Description: Conducting Environmental Site Assessment (Soil and Groundwater)  
 Job Title and Duties: Field scientist, Contractor Supervision, Soil & Groundwater Sampling  
 Value of Project: N/A

Location: Richards Bay  
 Project duration & year: 2018 - 2019  
 Client: Richards Bay Mondi  
 Name of Project: Mondi Richards Bay WULA  
 Project Description: Botanical Assessment along proposed Eskom Powerline route.  
 Job Title and Duties: Conducted environmental legislation review to inform Water Use License Application. Compiled and Integrate Wastewater Management Report (IWWMR), and Water Use License Application  
 Value of Project: N/A

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### Key Experience: Environmental management

Location: Various sites in Northern KZN  
 Project duration & year: 2018 - 2019  
 Client: Eskom Holdings SOC  
 Name of Project: Eskom Bush Clearing Botanical Assessment  
 Project Description: Botanical Assessment along proposed Eskom Powerline route.  
 Job Title and Duties: Assisted Botanist in the field in identifying protected indigenous plant species along proposed powerline route, in line with Conservation of Agricultural Resources Act (CARA) and National Environmental Management of Biodiversity Act (NEMBA). Assisted and compiled application for permit license to remove or trim protected plant species across various sites in Northern KZN.

Value of Project N/A

Location: Kloof, Durban  
 Project duration & year: 2018  
 Client: Shula Construction  
 Name of Project: Shula Housing Project ECO  
 Project Description: Environmental Compliance Auditing against EMPr  
 Job Title and Duties: Conducted monthly Environmental Compliance Audit against EMPr and reporting Shula Construction housing development in Kloof, Durban. Created and implemented mitigation measures required to address the findings raised during the audits

Value of Project N/A

Location: Amanzimtoti  
 Project duration & year: 2018  
 Client: AECI  
 Name of Project: Dams Monitoring Natural Attenuation (MNA)  
 Project Description: Monitoring Natural Attenuation of contamination in soil and groundwater of old effluent storage dams.  
 Job Title and Duties: Facilitated and managed field work in the form of groundwater and soil sampling, supervised drilling, managed and maintained on-site weather station, automated groundwater level-loggers, lysimeter and in-situ pH/redox monitoring devices. Managed and collated all data for reporting purposes.

Value of Project N/A

Location: Amanzimtoti  
 Project duration & year: 2017 October - December  
 Client: AECI  
 Name of Project: Site 17b4 In-Situ Soil Remediation  
 Project Description: In-Situ Soil Remediation, ECO Auditing, Air Quality Monitoring  
 Job Title and Duties: Daily oversight of excavation and subsequent chemical treatment to prevent leaching of contaminant into groundwater table. Undertook the preliminary and confirmatory soil sampling. Conducted the ECO audits against EMPr and undertook the air quality monitoring using passive and active dust monitoring equipment.

Value of Project N/A

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### Key Experience: Environmental management

Location:	Amanzimtoti
Project duration & year:	2016 – 2019 (Biannual event)
Client:	AECI
Name of Project:	Ezimbokodweni Hydrocensus
Project Description:	Monitoring of groundwater and soil of a contaminated land site
Job Title and Duties:	Soil sampling, processing, analysis, groundwater sampling and analysis, maintenance of a Weather station and lysimeters
Value of Project	N/A
Location:	Amanzimtoti
Project duration & year:	2016 - 2017
Client:	Acacia
Name of Project:	Site 19 Environmental Site Assessment
Project Description:	Environmental Site Assessment of historically contaminated land
Job Title and Duties:	Soil sampling, processing, analysis, and data capture. Groundwater sampling.
Value of Project	N/A
Location:	Amanzimtoti
Project duration & year:	2016 - Ongoing
Client:	AECI
Name of Project:	Site 23
Project Description:	Soil sampling, processing, analysis, and data capture. Ground water sampling.
Job Title and Duties:	Soil sampling, processing, analysis, groundwater sampling and analysis, maintenance of a Weather station and lysimeters
Value of Project	N/A
Location:	Port Shepstone
Project duration & year:	2016 - Ongoing
Client:	South Coast Stone Crushers
Name of Project:	South Coast Stone Crushers Margate EMPr
Project Description:	Environmental Management Programme
Job Title and Duties:	Project assistance
Value of Project	N/A