

CURRICULUM VITAE OF CANDY MAHLANGU

Profession :	Environmental Consultant
Specialisation:	Environmental Management, Environmental Impact Assessments, Report Writing, Project management, Stakeholder Engagement
Work Experience:	6 years in the Environmental Management and Consulting Field

VOCATIONAL EXPERIENCE

Candy holds a Bachelor of Arts degree in Environmental Management and is experienced in executing professionally consulting services for various projects in the environmental management field. She specialises in conducting Environmental Impacts Assessments, public participation processes, compiling Environmental Management Programmes, for residential developments, commercial developments, industrial upgrades, bulk services, and renewable energy projects. Her main responsibilities include conducting public participation, overall compilation of the Basic Assessments and EIA report, specialists' engagements, reviewing specialists reports and incorporating specialist studies into the Environmental Impact Assessment reports and the associated Environmental Management Programmes.

She has also been widely exposed to the associated project management in her trade and developed skills such as stakeholder engagement which includes but not limited to, site inspections, planning and liaising with clients, environmental specialists, built environment consultants, statutory bodies and competent authorities.

SKILLS BASE AND CORE COMPETENCIES

- Interpretation of environmental regulations and compilation of Environmental Impact Assessments reports and associated environmental management programmes in accordance with the relevant environmental legislative requirements.
- Project management for a variety of projects
- Public participation process for a variety of projects
- Environmental planning
- Working knowledge of environmental planning processes, policies, and frameworks.
- Review of the specialist's reports
- Undertaking Stakeholder Engagements for various projects
- Google Earth
- Organisational skills
- Effective Communicator
- Reliable and Trustworthy
- MS Office Package (Word, PowerPoint and Excel)

EDUCATION AND PROFESSIONAL STATUS

Degrees:

- BA in Environmental Management (2015), University of South Africa (UNISA)

Short Courses:

- Section 21 c & (i) Training (2018), Department of Water & Sanitation
- Quality Management System of ISO 9001 (2013), Inspection and Quality Services CC
- QGIS
- Office Administration (2011), Rosebank College

Professional Society Affiliations:

- none

Other Relevant Skills:

- none

EMPLOYMENT

Date	Company	Roles and Responsibilities
August 2022 - Current	Savannah Environmental (Pty) Ltd	<i>Environmental Consultant</i> <u>Tasks include:</u> <ul style="list-style-type: none">• Undertake environmental screening assessments, environmental permitting, and environmental authorisation applications.• Undertake water use authorisation applications on the e-WULAA system.• Complete Part 1 and Part 2 EA amendment applications and prepare motivation reports

Date	Company	Roles and Responsibilities
		<p>in support of applications for Part 2 EA amendments.</p> <ul style="list-style-type: none"> • Undertake environmental compliance audits and provide ECO services. • Efficient and quality report writing to execute and manage the delivery of environmental impact assessment (EIA) reports and Environmental Management Programmes in line with the requirements of the National Environmental Management Act and EIA Regulations. • Liaison with relevant environmental authorities. • Execution of the public participation process. • Professional client liaison. • Project management. • Manage third parties or sub-consultants to which functions have been outsourced. • Preparation of proposals and budgets.
December 2016 – February 2019	L LEAP: Landscape Architects and Environmental Planners (Imbrillinx CC)	<p><i>Environmental Assessment Practitioner</i></p> <p><u>Tasks included:</u></p> <ul style="list-style-type: none"> • Compilation of Environmental Impact Assessment (EIA) reports, Basic Assessment (BA) reports and Environmental Management Programmes (EMPr), • environmental Screening reports, • co-ordination of public participation • Project management, • Client liaison • Process EIA and amendments applications • Stakeholder Engagement.
August 2014 – July 2016	Delron Consulting (Pty) Ltd	<p><i>Environmental Assessment Practitioner</i></p> <p><u>Task Included:</u></p> <ul style="list-style-type: none"> • <i>Research and Project administration</i> • <i>Application Authorisation and Assessment Report Compilation</i> • <i>General office administration</i> • <i>Report Writing</i> • <i>Assistant Environmental Control Officer</i> • <i>Managing and following up on completion of the reports</i> • <i>Facilitate Public participation processes</i> • <i>Co-ordinate site visits</i> • <i>Environmental management and control monitoring</i> • <i>Communicating with Stakeholders</i>

Date	Company	Roles and Responsibilities
		<ul style="list-style-type: none"> • Identification of and liaison with specialists and • Routine legislative reviews to keep updated with relevant environmental legislation.

PROJECT EXPERIENCE

Project experience includes renewable energy projects (solar & wind), including electricity generation, sewer services, property (mixed-use) development including housing, recreational parks, agricultural development, filling stations and industrial upgrades.

RENEWABLE POWER GENERATION PROJECTS: SOLAR ENERGY FACILITIES

Part 1 Amendment

Project Name & Location	Client Name	Role
Photovoltaic (PV) Solar Panels. Krugersdorp Gauteng	Fariavile Solar Energy (Pty) Ltd	Environmental Impact Assessment
Photovoltaic (PV) Solar Panels. Krugersdorp Gauteng	B.M Faria Investments (Pty)Ltd	EAP and Project manager

Commercial, Residential, Community & Development Planning

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
Haakdoringboom East Residential. Tshwane Gauteng.	Power Developments Project (Pty) Ltd	EAP & Project Manager
Airport Park Extension 7. Germiston, Gauteng.	Aerospace Developers (Pty) Ltd	EAP & Project Manager
Chloorkop Extension 67. Kempton Park, Gauteng	Acire Property Holdings (Pty) Ltd	EAP & Project Manager
Blue Hills Extension 95. Blue Hills, Gauteng.	Enlightened Christian Gathering Church	EAP & Project Manager
Temba Landfill Site. City of Tshwane, Gauteng.	City of Tshwane Waste Department	EAP & Project Manager
Ennerdale Extension 6. Johannesburg, Gauteng	City of Johannesburg Metropolitan Municipality	EAP & Project Manager

Basic Assessments

Project Name & Location	Client Name	Role
Mondi Agri Villages. Mkhondo, Mpumalanga	Mondi Limited	EAP
Rustenburg Mall. Rustenburg, Gauteng	Moolman Group	EAP

ROADS / STORM WATER

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
<i>Upgrade K50 & K69. Tshwane, Gauteng.</i>	<i>City of Tshwane Roads and Storm Water Department</i>	<i>EAP</i>

Basic Assessments

Project Name & Location	Client Name	Role
<i>Menlyn Learning Hub, Tshwane, Gauteng.</i>	<i>Feenstra Group</i>	<i>EAP</i>

Environmental Control Officer (ECO)

Project Name & Location	Client Name	Role
<i>Amka Industrial Development</i>	<i>Amka Products (Pty) Ltd</i>	<i>ECO</i>
<i>Menlyn Learning Hub, Tshwane, Gauteng</i>	<i>Feenstra Group</i>	<i>ECO</i>

FILLING STATION, STORAGE OF HAZADOUS MATERIALS

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
<i>Storage and Handling of Diesel Infrastructure. Isando, Gauteng.</i>	<i>Teraco Data Environmental (Pty)Ltd</i>	<i>EAP</i>
<i>Annlin-Wes Filling Station. Tshwane, Gauteng.</i>	<i>Moolman Group</i>	<i>EAP</i>
<i>Phola Park Filing Station. KwaMhlanga, Mpumalanga.</i>	<i>Phola Shopping Centre (Pty)Ltd</i>	<i>EAP</i>
<i>Morokweng Filling Station. Morokweng. North West</i>	<i>The Vildev Group (Pty)Ltd</i>	<i>EAP</i>

ECO-TOURISM, RESORTS AND LEISURE DEVELOPMENTS

Basic Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
<i>Mokala National Park. Northern Cape</i>	<i>SANParks</i>	<i>EAP</i>
<i>Addo Elephant National Park, Eastern Cape</i>	<i>SANParks</i>	<i>EAP</i>
<i>Mountain Zebra National Park. Eastern Cape</i>	<i>SANParks</i>	<i>EAP</i>
<i>Zwavelpoort Lodge. Tshwane, Gauteng</i>	<i>Square Time Café (Pty) Ltd</i>	<i>EAP</i>
<i>Fort Recce. Tshwane, Gauteng.</i>	<i>South African Special Forces Heritage Foundation</i>	<i>EAP</i>

CURRICULUM VITAE OF JO-ANNE THOMAS

Profession:	Environmental Management and Compliance Consultant; Environmental Assessment Practitioner
Specialisation:	Environmental Management; Strategic environmental advice; Environmental compliance advice & monitoring; Environmental Impact Assessments; Policy, strategy & guideline formulation; Project Management; General Ecology
Work experience:	Twenty five (25) years in the environmental field

VOCATIONAL EXPERIENCE

Provide technical input for projects in the environmental management field, specialising in Strategic Environmental Advice, Environmental Impact Assessment studies, environmental auditing and monitoring, environmental permitting, public participation, Environmental Management Plans and Programmes, environmental policy, strategy and guideline formulation, and integrated environmental management. Key focus on integration of the specialist environmental studies and findings into larger engineering-based projects, strategic assessment, and providing practical and achievable environmental management solutions and mitigation measures. Responsibilities for environmental studies include project management (including client and authority liaison and management of specialist teams); review and manipulation of data; identification and assessment of potential negative environmental impacts and benefits; review of specialist studies; and the identification of mitigation measures. Compilation of the reports for environmental studies is in accordance with all relevant environmental legislation.

Undertaking of numerous environmental management studies has resulted in a good working knowledge of environmental legislation and policy requirements. Recent projects have been undertaken for both the public- and private-sector, including compliance advice and monitoring, electricity generation and transmission projects, various types of linear developments (such as National Road, local roads and power lines), waste management projects (landfills), mining rights and permits, policy, strategy and guideline development, as well as general environmental planning, development and management.

SKILLS BASE AND CORE COMPETENCIES

- Project management for a range of projects
- Identification and assessment of potential negative environmental impacts and benefits through the review and manipulation of data and specialist studies
- Identification of practical and achievable mitigation and management measures and the development of appropriate management plans
- Compilation of environmental reports in accordance with relevant environmental legislative requirements
- External and peer review of environmental reports & compliance advice and monitoring
- Formulation of environmental policies, strategies and guidelines
- Strategic and regional assessments; pre-feasibility & site selection
- Public participation processes for a variety of projects
- Strategic environmental advice to a wide variety of clients both in the public and private sectors
- Working knowledge of environmental planning processes, policies, regulatory frameworks and legislation

EDUCATION AND PROFESSIONAL STATUS

Degrees:

- B.Sc Earth Sciences, University of the Witwatersrand, Johannesburg (1993)
- B.Sc Honours in Botany, University of the Witwatersrand, Johannesburg (1994)
- M.Sc in Botany, University of the Witwatersrand, Johannesburg (1996)

Short Courses:

- Environmental Impact Assessment, Potchefstroom University (1998)
- Environmental Law, Morgan University (2001)
- Environmental Legislation, IMBEWU (2017)
- Mining Legislation, Cameron Cross & Associates (2013)
- Environmental and Social Risk Management (ESRM), International Finance Corporation (2018)

Professional Society Affiliations:

- Registered with the South African Council for Natural Scientific Professions as a Professional Natural Scientist: Environmental Scientist (400024/00)
- Registered with the International Associated for Impact Assessment South Africa (IAIAsa): 5601
- Member of the South African Wind Energy Association (SAWEA)

EMPLOYMENT

Date	Company	Roles and Responsibilities
2006 - Current	Savannah Environmental (Pty) Ltd	Director Project manager Independent specialist environmental consultant, Environmental Assessment Practitioner (EAP) and advisor.
1997 – 2005	Bohlweki Environmental (Pty) Ltd	Senior Environmental Scientist at. Environmental Management and Project Management
January – July 1997	Sutherland High School, Pretoria	Junior Science Teacher

PROJECT EXPERIENCE

Project experience includes large infrastructure projects, providing technical input for projects in the environmental management field, specialising in Strategic Environmental Advice, Environmental Impact Assessment studies, environmental permitting, Public Participation, Environmental Management Plans (EMPs) and Programmes (EMPrs), environmental policy, strategy and guideline formulation, and integrated environmental management; with a key focus on strategic assessment, and providing practical and achievable environmental management solutions and mitigation measures.

RENEWABLE POWER GENERATION PROJECTS: PHOTOVOLTAIC SOLAR ENERGY FACILITIES

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
ECO and bi-monthly auditing for the construction of the Adams Solar PV Project Two South of Hotazel, Northern Cape	Enel Green Power	Project Manager
ECO for the construction of the Kathu PV Facility, Northern Cape	REISA	Project Manager
ECO and bi-monthly auditing for the construction of the Pulida PV Facility, Free State	Enel Green Power	Project Manager

Project Name & Location	Client Name	Role
ECO for the construction of the RustMo1 SEF, North West	Momentous Energy	Project Manager
ECO for the construction of the Sishen SEF, Northern Cape	Windfall 59 Properties	Project Manager
ECO for the construction of the Upington Airport PV Facility, Northern Cape	Sublanary Trading	Project Manager
Quarterly compliance monitoring of compliance with all environmental licenses for the operation activities at the Kathu PV facility, Northern Cape	REISA	Project Manager
ECO for the construction of the Konkoonsies II PV SEF and associated infrastructure, Northern Cape	BioTherm Energy	Project Manager
ECO for the construction of the Aggeneys PV SEF and associated infrastructure, Northern Cape	BioTherm Energy	Project Manager

Compliance Advice and ESAP Reporting

Project Name & Location	Client Name	Role
Aggeneys Solar Farm, Northern Cape	BioTherm Energy	Environmental Advisor
Airies II PV Facility SW of Kenhardt, Northern Cape	BioTherm Energy	Environmental Advisor
Kalahari SEF Phase II in Kathu, Northern Cape	Engie	Environmental Advisor
Kathu PV Facility, Northern Cape	Building Energy	Environmental Advisor
Kenhardt PV Facility, Northern Cape	BioTherm Energy	Environmental Advisor
Kleinbegin PV SEF West of Groblershoop, Northern Cape	MedEnergy	Environmental Advisor
Konkoonises II SEF near Pofadder, Northern Cape	BioTherm Energy	Environmental Advisor
Konkoonsies Solar Farm, Northern Cape	BioTherm Energy	Environmental Advisor
Lephalale SEF, Limpopo	Exxaro	Environmental Advisor
Pixley ka Seme PV Park, South-East of De Aar, Northern Cape	African Clean Energy Developments (ACED)	Environmental Advisor
RustMo1 PV Plant near Buffelspoort, North West	Momentous Energy	Environmental Advisor
Scuitdrift 1 SEF & Scuitdrift 2 SEF, Limpopo	Building Energy	Environmental Advisor
Sirius PV Plants, Northern Cape	Aurora Power Solutions	Environmental Advisor
Upington Airport PV Power Project, Northern Cape	Sublunary Trading	Environmental Advisor
Upington SEF, Northern Cape	Abengoa Solar	Environmental Advisor
Ofir-ZX PV SEF near Keimoes, Northern Cape	Networx S28 Energy	Environmental Advisor

Due Diligence Reporting

Project Name & Location	Client Name	Role
5 PV SEF projects in Lephalale, Limpopo	iNca Energy	Environmental Advisor
Prieska PV Plant, Northern Cape	SunEdison Energy India	Environmental Advisor
Sirius Phase One PV Facility near Upington, Northern Cape	Aurora Power Solutions	Environmental Advisor
Mogalakwena PV Facility, Limpopo Province	Pele Green Eergy	Environmental Advisor

RENEWABLE POWER GENERATION PROJECTS: CONCENTRATED SOLAR FACILITIES (CSP)

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
ECO for the construction of the !Khi CSP Facility, Northern Cape	Abengoa Solar	Project Manager
ECO for the construction of the Ilanga CSP 1 Facility	Karoshhoek Solar One	Project Manager

Project Name & Location	Client Name	Role
near Upington, Northern Cape		
ECO for the construction of the folar Park, Northern Cape	Kathu Solar	Project Manager
ECO for the construction of the KaXu! CSP Facility, Northern Cape	Abengoa Solar	Project Manager
Internal audit of compliance with the conditions of the IWUL issued to the Karoshoek Solar One CSP Facility, Northern Cape	Karoshoek Solar One	Project Manager

Compliance Advice and ESAP reporting

Project Name & Location	Client Name	Role
Ilanga CSP Facility near Upington, Northern Cape	Ilangethu Energy	Environmental Advisor
Ilangalethu CSP 2, Northern Cape	FG Emvelo	Environmental Advisor
Kathu CSP Facility, Northern Cape	GDF Suez	Environmental Advisor
Lephalale SEF, Limpopo	Cennergi	Environmental Advisor
Solis I CSP Facility, Northern Cape	Brightsource	Environmental Advisor

RENEWABLE POWER GENERATION PROJECTS: WIND ENERGY FACILITIES

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
ECO for the construction of the West Coast One WEF, Western Cape	Aurora Wind Power	Project Manager
ECO for the construction of the Gouda WEF, Western Cape	Blue Falcon	Project Manager
EO for the Dassiesklip Wind Energy Facility, Western Cape	Group 5	Project Manager
Quarterly compliance monitoring of compliance with all environmental licenses for the operation activities at the Gouda Wind Energy facility near Gouda, Western Cape	Blue Falcon	Project Manager
Annual auditing of compliance with all environmental licenses for the operation activities at the West Coast One Wind Energy facility near Vredenburg, Western Cape	Aurora Wind Power	Project Manager
External environmental and social audit for the Amakhala Wind Farm, Eastern Cape	Cennergi	Project Manager
External environmental and social audit for the Tsitsikamma Wind Farm, Eastern Cape	Cennergi	Project Manager
ECO for the construction of the Excelsior Wind Farm and associated infrastructure, Northern Cape	BioTherm Energy	Project Manager
External compliance audit of the Dassiesklip Wind Energy Facility, Western Cape	BioTherm Energy	Project Manager
ECO for the construction of the Roggeveld Wind Farm and associated infrastructure, Northern Cape	Red Rocket	Project Manager

Compliance Advice

Project Name & Location	Client Name	Role
Amakhala Phase 1 WEF, Eastern Cape	Cennergi	Environmental Advisor

Project Name & Location	Client Name	Role
Dassiesfontein WEF within the Overberg area, Western Cape	BioTherm Energy	Environmental Advisor
Excelsior Wind Farm, Western Cape	BioTherm Energy	Environmental Advisor
Great Karoo Wind Farm, Northern Cape	African Clean Energy Developments (ACED)	Environmental Advisor
Hopefield Community WEF, Western Cape	African Clean Energy Developments (ACED)	Environmental Advisor
Rheboksfontein WEF, Western Cape	Moyeng Energy	Environmental Advisor
Tiqua WEF, Western Cape	Cennergi	Environmental Advisor
Tsitsikamma WEF, Eastern Cape	Cennergi	Environmental Advisor
West Coast One WEF, Western Cape	Moyeng Energy	Environmental Advisor

Due Diligence Reporting

Project Name & Location	Client Name	Role
Witberg WEF, Western Cape	EDPR Renewables	Environmental Advisor
IPD Vredenburg WEF within the Saldanha Bay area, Western Cape	IL&FS Energy Development Company	Environmental Advisor

CONVENTIONAL POWER GENERATION PROJECTS (COAL)

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
ECO for the Camden Power Station, Mpumalanga	Eskom Holdings	Project Manager

Compliance Advice

Project Name & Location	Client Name	Role
Thabametsi IPP Coal-fired Power Station, near Lephalale, Limpopo	Axia	Environmental Advisor

GRID INFRASTRUCTURE PROJECTS

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
ECO for the construction of the Ferrum-Mookodi Transmission Line, Northern Cape and North West	Trans-Africa Projects on behalf of Eskom	Project Manager
EO for the construction of the Gamma-Kappa Section A Transmission Line, Western Cape	Trans-Africa Projects on behalf of Eskom	Project Manager
EO for the construction of the Gamma-Kappa Section B Transmission Line, Western Cape	Trans-Africa Projects on behalf of Eskom	Project Manager
EO for the construction of the Hydra IPP Integration project, Northern Cape	Trans-Africa Projects on behalf of Eskom	Project Manager
EO for the construction of the Kappa-Sterrekus Section C Transmission Line, Western Cape	Trans-Africa Projects on behalf of Eskom	Project Manager
EO for the construction of the Namaqualand Strengthening project in Port Nolloth, Western Cape	Trans-Africa Projects on behalf of Eskom	Project Manager
ECO for the construction of the Neptune Substation Soil Erosion Mitigation Project, Eastern Cape	Eskom	Project Manager

Project Name & Location	Client Name	Role
ECO for the construction of the Ilanga-Gordonia 132kV power line, Northern Cape	Karoshoeck Solar One	Project Manager

MINING SECTOR PROJECTS

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
ECO for the construction of the Duhva Mine Water Recovery Project, Mpumalanga	Eskom Holdings SoC Limited	Project Manager
External compliance audit of Palesa Coal Mine's Integrated Water Use License (IWUL), near KwaMhlanga, Mpumalanga	HCI Coal	Project Manager
External compliance audit of Palesa Coal Mine's Waste Management License (WML) and EMP, near KwaMhlanga, Mpumalanga	HCI Coal	Project Manager
External compliance audit of Mbali Coal Mine's Integrated Water Use License (IWUL), near Ogies, Mpumalanga	HCI Coal	Project Manager
Independent External Compliance Audit of Water Use License (WUL) for the Tronox Namakwa Sands (TNS) Mining Operations (Brand se Baai), Western Cape	Tronox Namakwa Sands	Project Manager
Independent External Compliance Audit of Water Use License (WUL) for the Tronox Namakwa Sands (TNS) Mineral Separation Plant (MSP), Western Cape	Tronox Namakwa Sands	Project Manager
Independent External Compliance Audit of Water Use License (WUL) for the Tronox Namakwa Sands (TNS) Smelter Operations (Saldanha), Western Cape	Tronox Namakwa Sands	Project Manager
Compliance Auditing of the Waste Management Licence for the PetroSA Landfill Site at the GTL Refinery, Western Cape	PetroSA	Project Manager

INFRASTRUCTURE DEVELOPMENT PROJECTS (BRIDGES, PIPELINES, ROADS, WATER RESOURCES, STORAGE, ETC)

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
ECO and bi-monthly auditing for the construction of the Olifants River Water Resources Development Project (ORWRDP) Phase 2A: De Hoop Dam, R555 realignment and housing infrastructure	Department of Water and Sanitation	Project Manager Auditor
ECO for the Rehabilitation of the Blaaupan & Storm Water Channel, Gauteng	Airports Company of South Africa (ACSA)	Project Manager
Due Diligence reporting for the Better Fuel Pyrolysis Facility, Gauteng	Better Fuels	Project Manager
ECO for the Construction of the Water Pipeline from Kendal Power Station to Kendal Pump Station, Mpumalanga	Transnet	Project Manager
ECO for the Replacement of Low-Level Bridge, Demolition and Removal of Artificial Pong, and	South African National Biodiversity Institute (SANBI)	Project Manager

Project Name & Location	Client Name	Role
Reinforcement the Banks of the Crocodile River at the Construction at Walter Sisulu National Botanical Gardens, Gauteng Province		
External Compliance Audit of the Air Emission Licence (AEL) for a depot in Bloemfontein, Free State Province and in Tzaneen, Mpumalanga Province	PetroSA	Project Manager

HOUSING AND URBAN PROJECTS

Compliance Advice and reporting

Project Name & Location	Client Name	Role
Kampi ya Thude at the Olifants West Game Reserve, Limpopo	Nick Elliot	Environmental Advisor
External Compliance Audit of WUL for the Johannesburg Country Club, Gauteng	Johannesburg Country Club	Project Manager

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
Due Diligence Audit for the Due Diligence Audit Report, Gauteng	Delta BEC (on behalf of Johannesburg Development Agency (JDA))	Project Manager