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CURRICULUM VITAE

MADELEINE KNOETZE

PERSONAL

Profession: Senior Environmental Assessment Practitioner
Nationality: South African
Languages: English & Afrikaans (read, write and speak) – Fluent
Drivers License: Code B
EAPASA Registration: No. 3230

SUMMARY

Madeleine holds a Bachelor of Science in Environmental Sciences from the Nelson Mandela Metropolitan University obtained in 2014. She has 8 years' experience in the environmental field, she has proven competency in the compilation of environmental assessments, water use licence applications, legal compliance, on-site monitoring, rehabilitation reporting, aquatic impact assessments and Geographic Information Systems (GIS). To date she has completed numerous environmental assessments, management plans, licencing applications, aquatic assessments and audits within the private and governmental spheres. Madeleine is registered with EAPASA as a certified Environmental Practitioner (EAPASA #3230).

WORK EXPERIENCE

October 2022 – Present: Sharples Environmental Services cc, Cape Town, WC

Environmental Assessment Practitioner

- Basic Assessments Reports;
- Environmental Impact Assessments;
- Environmental Management Programmes;
- Legislative documentation;
- Administration.

February 2015 – September 2022: Exigent Engineering Consultants CC, Johannesburg, GTN

Environmental Assessment Practitioner and GIS Specialist

- Management and compilation of GIS database;
- Advanced GIS Applications;
- Environmental Impact Assessments;
- Water Use License Applications;

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- Environmental Impact Assessments • Basic Assessments • Environmental Management Planning
 - Environmental Control & Monitoring • Water Use License Applications • Aquatic Assessments



- Environmental Monitoring/Auditing
- Stakeholder Engagement
- Rehabilitation and Monitoring Programmes
- Ecological and Wetland Assessments
- Project Management

TERTIARY EDUCATION

2014: Nelson Mandela Metropolitan Municipality

- Bachelor of Science Degree specialising in Environmental Sciences.

ACCREDITATION / ASSOCIATION

- EAPASA Registration: No. 3230
- Member IAIA South Africa

KEY PROJECTS

2024	Beaufort West	Mulilo Renewable Project Developers (ongoing)
	• Basic Assessment Report in terms of GN114 of 2018 for the proposed Wind Energy Facility Cluster near Beaufort West, Western Cape	
2023	Plettenberg Bay	Private Developer (ongoing)
	• Scoping Report for a proposed mixed-use development in Kranshoek, Bitou Local Municipality.	
2023	Plettenberg Bay	Private Developer (ongoing)
	• Scoping Report for the proposed Kurland housing development on Erf 920, Kurland, Bitou Local Municipality.	
2023	Plettenberg Bay	Private Developer (ongoing)
	• Basic Assessment for the proposed Kurland Bulk Water infrastructure scheme in Bitou Local Municipality.	
2022-2024	Cape Town	Allweld on behalf of Eskom (ongoing)
	▪ Basic Assessment for the proposed construction of a reservoir located within the Koeberg Nuclear Power Station.	
2022-2024	Oudtshoorn	Department of Infrastructure
	▪ Basic Assessment for the proposed re-establishment of Trunk Road (TR75/1) near Oudtshoorn. – Environmental Authorisation Granted	
2022/2023	Mossel Bay	Confuel (Pty) Ltd
	▪ Basic Assessment for the proposed establishment of a truck stop and associated infrastructure on Erf 56 and 57, Mossdustria – Environmental Authorisation Granted	
2022/2023	De Aar	Mulilo Renewable Energies (ongoing)
	▪ Scoping and Environmental Impact Assessment for the proposed Hercules solar cluster near De Aar, Northern Cape.	
2022	Northam	Spitskop Energy
	▪ Scoping and Environmental Impact Assessment for the proposed Spitskop photovoltaic power plant located near Northam, Limpopo.	
2022	Dealesville	Antlia Energy

- Basic Assessment for the proposed Good Hope 1 and 2 photovoltaic power plants located near Dealesville, Free State (Fell under the ambit of GN113).
- 2022** Richards Bay
- Scoping Report for the proposed Thermal Energy Power Plant and associated infrastructure development in Richards Bay, KwaZulu-Natal.
- 2022** Midrand Central Developments
- Environment Control Officer for the external infrastructure associated with the proposed Extension 56 and 57 of Louwlandia, Midrand, Gauteng.
- 2021/2022** Pienaarsrivier MDV Developments
- Basic Assessment for the proposed Filling Station on Erf 425 and Erf 426 in Pienaarsriver, Bela-Bela Local Municipality.
- 2022** Johannesburg Central Developments
- Basic Assessment and Water Use Licence Application for the construction of the Proposed Residential Development on Holding 194 of Erand Agricultural Holdings and Portion 1687 (A Portion of Portion 9) of the Farm Randjesfontein No.405-Jr, City of Johannesburg.
- 2021/2022** Pretoria Snowy Owl Developments
- Basic Assessment for the Proposed Development of a Sewer Line for the Proposed Sammy Marks Township, City of Tshwane.
- 2021/2022** Johannesburg Central Developments
- Part 2 Amendment of the Environmental Authorisations Amendments to the proposed Northgate Mixed Use Development in North Riding, City of Johannesburg.
 - This project included the complex integrated design mapping, the compilation of an Operational Stormwater Management Programme.
- 2020/2022** Johannesburg Central Developments
- Part 2 Amendment of the Environmental Authorisation of the proposed Blue Hills housing development located in the City of Johannesburg.
- 2020** Derdepoort Central Developments
- Environment Control Officer for the external infrastructure associated with the residential developments located on Erf 452, Derdepoort, Gauteng.
- 2020** Johannesburg Central Developments
- Environment Control Officer for the external infrastructure associated with the proposed Northgate Mixed Use Development in North Riding, City of Johannesburg.
- 2020** Pretoria Central Developments
- Environment Control Officer for the external infrastructure associated with the residential developments at Bronberg X9 and X13, Gauteng.
- 2019** Empangeni Accurate Trading
- Basic Assessment for the proposed Filling Station and associated infrastructure of Erf 3961, Empangeni.
- 2018/2019** Richards Bay City of uMhlathuze Local Municipality
- Environment Control Officer for the internal infrastructure associated with the Aquadene housing development, Richards Bay, KwaZulu-Natal.

2018/2019	Empangeni	City of uMhlathuze Local Municipality
- Basic Assessment Report for the proposed Upgrade of Water Supply Infrastructure for Khoza water supply area phase 1: Empangeni. - General Authorisation obtained for the proposed project.		
2018/2019	Richards Bay	City of uMhlathuze Local Municipality
- Basic Assessment Report for the proposed upgrade of the rural roads in Mandlazini – Phase 2, Richards Bay, KwaZulu-Natal. - General Authorisation obtained for the proposed project.		
2018/2019	Melmoth	Mthonjaneni Local Municipality
- Basic Assessment Report for the proposed upgrade of the Melmoth Sanitation Scheme (Phase 3): Outfall Sewers and Water Treatment Works, Melmoth, KwaZulu-Natal. - Water Use Licence for the proposed project.		
2016-2019	Esikhaleni	City of uMhlathuze Local Municipality
- Basic Assessment Report for the proposed upgrade of the rural roads in Mandlazini – Phase 2, Richards Bay, KwaZulu-Natal. - General Authorisation obtained for the project (2016-2017). - Environmental Control Officer (including water quality surveyor) and the required DAFF permitting and further monitoring (2018-2019).		
2016/2017	Melmoth	Mthonjaneni Local Municipality
All mapping for the Mthonjaneni Local Municipality Land Use Management Scheme, KwaZulu-Natal.		
2015-2016	Richards Bay	City of uMhlathuze Local Municipality
- Basic Assessment Report for the proposed upgrade of the Richards Bay Outfall Sewer and Nkoninga pump station, Veld en Vlei, KwaZulu-Natal. - Water Use Licence Technical Documentation completed for the proposed project.		
2015-2017	Mkuze	Private
- Scoping Report and Environmental Impact Assessment for the proposed agricultural development near Mkuze, KwaZulu-Natal. - Environmental Control Officer for the project 2017.		
2015/2016	Richards Bay	uMhlathuze Water
Basic Assessment Report for the proposed Installation of a Diesel Generator at the Existing Mhlathuze Transfer Pump Station, Richards Bay.		
2015	Hammarisdale	SANRAL
Water Use Licence Application for the proposed interchange upgrade along the N3 highway, near Hammarisdale, KwaZulu-Natal.		
2015	Gauteng	Gautrain
Province wide mapping of all public transport infrastructure for the purpose of sensitivity mapping required to evaluate the environmental feasibility of future expansions of the Gautrain Transport network.		

CURRICULUM VITAE

BETSY-JANE DITCHAM

PERSONAL

Profession: Director & Environmental Assessment Practitioner

Nationality: South African

Languages: English (read, write and speak) & Afrikaans (read, write and speak)

Drivers License: Code B

EAPASA Registration: No. 1480

SUMMARY

Betsy has a Bachelor of Science Honours Degree in Wildlife Management from the University of Pretoria and a Bachelor of Science Degree (Zoology and Ecology) obtained from the University of Cape Town in 2005. She has 11 years' experience in the environmental field, including environmental assessments, legal compliance, on-site compliance monitoring, cleaner production and business greening and sustainability (carbon and environmental footprinting). In her time as a consultant, she has compiled a number of environment assessments and management plans for both private and governmental clients. Betsy is a co-owner of SES and is Registered with EAPASA (**Reg No. 1480**).

WORK EXPERIENCE

March 2020 - Present: Sharples Environmental Services cc, Cape Town, WC

Co-Owner and Cape Town Office Manager: Principal Environmental Assessment Practitioner

- Project Management / Client Liaison
- Environmental Authorisation
- Environmental Management Programmes
- Public Participation
- Legal Compliance
- On-site compliance auditing

2018 – Feb 2020: Sharples Environmental Services cc, Cape Town, WC

Cape Town Office Manager: Principal Environmental Assessment Practitioner

- Environmental Authorisation
- Environmental Management Programmes
- Public Participation
- Legal Compliance
- On-site compliance auditing

August 2017 to December 2017: WSP, Cape Town, WC

Assistant Consultant

- Environmental Authorisation
- Legal compliance
- Air quality monitoring
- Public participation

October 2009 to October 2015: Jeffares & Green Engineering & Environmental Consultants, Pinelands, WC

Environmental Scientist

- On-site compliance auditing
- Environmental footprinting (carbon, water, waste)
- Business greening & sustainability
- Environmental authorisations
- In-house newsletter

July 2009 to September 2009: Freelance, Cape Town, WC

Environmental Control Officer

- Environmental auditing of construction related projects

TERTIARY EDUCATION

2005 University of Cape Town

- Bachelor of Science Degree with a double specialisation in Zoology and Ecology

2006 University of Pretoria

- Bachelor of Science Honours Degree in Wildlife Management

ACCREDITATION / ASSOCIATION

- **EAPASA** Registration: No. 1480
- **Member IAIA South Africa**
- **Green Building Council of South Africa:** Green Star Accredited Professional

KEY PROJECTS

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|---|-----------------|--|
| 2021/2022 | Cape Town | Trans-Africa Projects on behalf of Eskom |
| <ul style="list-style-type: none">■ Environmental Control Officer for the Construction of the Original Steam Generator Interim Storage Facility within Koeberg Nuclear Power Station, Duynfontein, Western Cape | | |
| 2020/2021 | Cape Town | Gridbow on behalf of Eskom |
| <ul style="list-style-type: none">■ Environmental Control Officer for the expansion of the car park within Koeberg Nuclear Power Station, Duynfontein, Western Cape | | |
| 2020/2021 | George | George Municipality |
| <ul style="list-style-type: none">■ Environmental Impact Assessment for proposed University Precinct Development at the Garden Route Dam and Associated Infrastructure on a Portion of Remainder Farm 464, George, Western Cape | | |
| 2020 | George | GrowGreen |
| <ul style="list-style-type: none">■ Waste Registration Process for the Composting Activities being undertaken by GrowGreen in George, Western Cape | | |
| 2019/2020 | Herolds Bay | Mr Abraham Jacobus Cronje |
| <ul style="list-style-type: none">■ Basic Assessment for the proposed Development of Herolds Bay Country Estate on a Portion of Portion 7 Farm Buffelsfontein No. 204, Herolds Bay, Western Cape | | |
| 2019/2020 | Groot Brak | Rooikat Recycling |
| <ul style="list-style-type: none">■ Basic Assessment and Waste Management Licence for the proposed Pilot Deploymerisation Processing Plant in Mossel Bay | | |
| 2019/2020 | Plettenberg Bay | Status Homes Property Developers (Pty) Ltd |
| <ul style="list-style-type: none">■ Environmental Impact Assessment for the proposed Mixed-Use Development on Portion 9 of the Farm Kranshoek No. 432, Knysna Road, Plettenberg Bay | | |
| 2019 | Cape Town | City of Cape Town |
| <ul style="list-style-type: none">■ Environmental Authorisation Amendment for the Bulk Water Pipeline along Baden Powell Drive, Khayelitsha, WC | | |
| 2019 | Caledon | Department of Transport and Public Works Western Cape Government |
| <ul style="list-style-type: none">■ Basic Assessment for the proposed replacement and upstream re-alignment of Bridge 0564a, located at Km 23.47 on Divisional Road 1252, crossing the Klein River, south east of Caledon; The replacement of Causeway 12226, located at Km 0.49 on OP4032, on a minor road and close to MR326, linking Stanford with the N2; And the replacement of Culvert 10656, located at Km 3.7 on Divisional Road 1218, east of Stanford | | |

2019	Plettenberg Bay	Bitou Municipality	Environmental Impact Assessment for the proposed Upgrade and Improvement of the existing Stormwater System in Poortjies, Plettenberg Bay
2018	Plettenberg Bay	Bitou Municipality	Environmental Impact Assessment for the proposed New Horizons and Kwanokathula Phase 5 & 6 Mixed-Use Developments & Associated Infrastructure
2018	Cape Town	City of Cape Town	Environmental Impact Assessment and Environmental Authorisation Amendment processes for the Proposed Mixed-Use Housing Development at Symphony Way
2018	East London	Buffalo City Metropolitan Municipality	Environmental Impact Assessment for the Proposed West Bank WWTW Marine Outfall Pipeline
2018	Cape Town	Xintong Steel	Environmental Authorisation Amendment for Xintong Steel, Atlantis Industria, Western Cape
2018	Cape Town	Private	Environmental Control Officer for the replacement of Damaged Seawall, Erf 234, Bloubergstrand
2017/2018	Saldanha/Cape Town	Transnet	Ambient and Stack Air Quality Monitoring for Transnet Ports Terminals
2017	Cape Town	Strandfoam	Waste Storage Registration for Strandfoam
2015	Cape Town	EcoStandard	Development of an Environmental Rating Label for Building Products
2015	Cape Town	HatchGOBA	Basic Assessment for the Upgrade of Trunk Road 11/1 (N7) from Potsdam to the Melkbos Interchange
2015	Cape Town	Private	Environmental Control Officer for the Construction of Clifton Terraces, Clifton, Cape Town
2015	Worcester	Eskom	Environmental Control Officer for the Construction of the Badsberg Substation and Associated Powerlines
2014	Saldanha	Transnet	Environmental Control Officer for the maintenance and upgrade of the Sishen/Saldanha Iron Ore Railway line
2014	Cape Town	WasteControl	Accreditation of Service Provider of Waste Management Services in Cape Town
2014	Cape Town	Compass Bakery	Environmental Footprint – Auditing, data analysis, report writing

2014	Cape Town	City of Cape Town
▪	Wastewise III: Community and schools waste education and awareness campaign	
2014	Cape Town	City of Cape Town
▪	Environmental Management Plan for the Dido Valley Housing Project	
2013	Western Cape	Sunspot
▪	Environmental Impact Assessment for the construction of Solar farms in De Doorns, Riebeek Kasteel, Wolseley, Porterville, Eendekuil, Bonnievale, Klipheuwel and McGregor.	
2013	Nationwide	National Cleaner Production Centre
▪	Cleaner production studies for 4 automotive manufactures	
2008-2012	Worcester	Department of Public Works
▪	Environmental Control Officer for Upgrade of the medium security prison at Brandvlei Correctional Facility, Worcester	
2010-2012	Cape Town	City of Cape Town
▪	Environmental Control Officer for the Various improvements to various WWTW in Cape Town	
2011	Cape Town	Svenmills
▪	Environmental Footprint of the textile factory	
2011	Cape Town	Clicks (V&A Waterfront)
▪	Environmental Footprint of the V&A Waterfront Store	
2011	Cape Town	Pick n Pay (Canal Walk)
▪	Environmental Footprint of the Canal Walk Store	
2010	Cape Town	Department of Transport and Public Works
▪	Environmental Control Officer for the Reseal of TR-77	
2010	Cape Town	City of Cape Town
▪	Environmental Control Officer for the Infrastructure work on Coastal Park Landfill site	
2010	Paarl	Novo
▪	Environmental Control Officer for the Rebuilding of the Packhouse, including environmental training	
2009	Oudtshoorn	Oudtshoorn Municipality
▪	Development of the Municipal Strategic Environmental Assessment	
2008-2009	Nationwide	Department of Environmental Affairs
▪	Permit backlog for 581 waste management facilities (landfill & non landfill facilities) in South Africa	
2008	Cape Town	City of Cape Town
▪	Environmental Control Officer for the Extension of the Vissershok landfill site	