

CURRICULUM VITAE OF MARISSA ILSE BOTHA

PERSONAL INFORMATION

Name: Marissa Ilse Botha

Nationality: South African

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SUMMARY OF FIELDS

I am an Environmental Generalist with a passion for nature and keen ambition to aid in the safeguard of mother nature whilst also promoting sustainable development.

I am experienced in environmental management. I am currently a Senior Environmental Generalist. Whilst in the employ of private and corporate consultants from 2004 to May 2016, I have played the role of Assistant Environmental Practitioner, Environmental Assessment Practitioner (Jnr&Snr) and more over project manager.

I was accountable for the management of environmental projects such as Basic Assessment processes, Scoping and Environmental Impact Assessment processes (Scoping and EI Reports). What's more, I also facilitated the public participation processes (PPP) which form part and parcel of the required environmental studies. I have also had exposure to the mining industry in compiling Environmental Management Programmes/Scoping Reports/Environmental Impact Reports and facilitating Public Consultation for Prospecting Right Applications, Mining Right Applications in the Limpopo Province as well as Mining Permit Applications (Borrow Pits) in Mpumalanga Province.

EDUCATION

Completed studies:

November 2003: Grade 12

Matriculated from Nelspruit Hoërskool, Mpumalanga

Subjects – Business Economics, Maths, Accounting, Science, Afrikaans and English

October 2004:

Course in Introduction to Wetland Delineation, Department of Water Affairs, Mpumalanga-Nelspruit

2008:

Short course in Geographic Information Systems (GIS), Planet GIS, Lynnwood Pretoria

Computer Literacy: I am computer literate in all Microsoft Office programs. I am also comfortable working on GIS programs (QGIS) and SANBI BGIS interactive maps and data files such as shape files, KML files, aerial mapping and conversions through QGIS.

MEMBERSHIP & AFFILIATIONS

I am currently a member of the International Association for Impact Assessment, South African Affiliate. Member no. 3820. IAIA is a voluntary organisation.

PROFESSIONAL EXPERIENCE

September 2007 – 2016: Naledzi Environmental Consultants CC

Position: Environmental Assessment Practitioner

Level of employment: Permanent

Work Station: Polokwane

2005-2007: Enpact Environmental Consultants CC

Position: Assistant Environmental Assessment Practitioner

Level of employment: Permanent

Work Station: Nelspruit

Duration of employment: October 2005 – September 2007

2004-2005: Ecotechnik Environmental Consultants CC

Position: Initially appointed as Receptionist; subsequent thereto administrative assistant and finally advanced to Project Management

Level of employment: Permanent

Work Station: Nelspruit

Duration of employment: 2004 – September 2005

PROFESSIONAL EXPERIENCE

KEY RESPONSIBILITIES/PROJECTS COMPLETED

This is a shortened list of projects undertaken in past few years as Environmental Assessment Practitioner.

PROJECT EXPERIENCE

1. Karino Urban Development – Mining Permit Application (Borrow Pit)

Project location (Province)	Karino, Nelspruit, Mpumalanga
Site:	Portion of Erf 12, Karino Township (previously Ptn of Ptn 19, farm Goede

	Hoop 128JU)
Type of applications required	Mining Permit Application
Responsibilities	Compilation of Mining Permit Environmental Management Programme Finalisation of EMPr Submission of EMPr to Department Mineral Resources

Appointed in association with Belton Park Trading 27 Pty Ltd to compile and submit an Environmental Management Programme in support of a mining permit application for the proposed Karino Urban Development Borrow Pit. The mining permit area is located some 10km east of Nelspruit in the area of Karino, Magisterial District of Nelspruit in Mpumalanga Province.

2. Magalies Cemetery and Waste Transfer Station	
Project location (Province)	West of Magaliesburg, Gauteng
Site:	Portion 22, Rietpoort 395JQ
Type of applications required	Basic Assessment Process &WULA
Responsibilities	Project Management Public Participation Fieldwork Preparation of Basic Assessment Rport and Environmental Management Programme Finalisaiton of BAR&EMPR Submission of BAR&EMPr to Gauteng Dept. Agriculture and Rural Development. WULA handled externally.

Appointed by Mogale City Local Municipality to carry out an Environmental Impact Assessment for the construction of the new Magalies Cemetery and Waste Transfer Station with an extent of 8.3 hectares. The study area assessed was approximately 25 hectares. The project site is located some 11km west of Magaliesburg in Mogale City Local Municipality, West Rand District Municipality in Gauteng Province.

3. Luipaardsvlei Landfill Site Expansion Area – Waste Management License Renewal	
Project location (Province)	Krugersdorp East, East of Paardekraal Road (M13), Gauteng
Site:	Portion 219 (a portion of remaining extent of portion 209), farm Luipaardsvlei 246IQ
Type of applications required	Waste Management License Renewal
Responsibilities	Public Participation associated with WML Renewal: Background Information Document Public Notices I&AP Database & notifications

Appointed by Mogale City Local Municipality to apply for the renewal of the Luipaardsvlei Landfill Site - Expansion Area Waste Management License Renewal. The process involved bringing the application to the attention of any affected parties/public; submitting the status quo of the landfill site conditions and records of adherence to the standing waste management license through an Application for WML Renewal to GDARD. I was responsible to bring the application for renewal under the attention of the public and any other affected parties. The project area is located south of Krugersdorp East in the area of Wentworth Park. It is east of Paardekraal Road (M13) and south of Windsor Road (R28) in the jurisdiction of Mogale City Local Municipality in Gauteng Province.

5. Hazyview Ext 42 – Mining Permit Application (Borrow Pit)

Project location (Province)	Hazyview, Mpumalanga
Site:	Remaining extent of Portion 5, farm De Rust 12 JU
Type of applications required	Mining Permit Application
Responsibilities	Compilation of Mining Permit Environmental Management Programme Finalisation of EMPr Submission of EMPr to Department Mineral Resources

Appointed by Pinzari Limited to compile and submit an Environmental Management Programme in support of a mining permit application for the proposed Hazyview Ext. 42 Borrow Pit. The mining permit area is located some 2km south east of Hazyview central business district, Magisterial district of White River in Mpumalanga Province.

6. Gemsbokfontein Filling Station – Basic Assessment Process

Project location (Province)	Kwaggafontein, Mpumalanga
Site:	Portion of Portion 1, farm Gemsbokfontein 199JR
Type of applications required	Basic Assessment Process
Responsibilities	Compilation of Basic Assessment Report and associated appendices & Environmental Management Programme Competent Authority Site visit

Appointed by Bidfuel Pty Ltd to compile a Basic Assessment Report, associated appendices and an Environmental Management Programme in support of a Basic Assessment Process. A Competent Authority site visit was undertaken as well. The client required Environmental Authorization in term of environmental legislation for the proposed Gemsbokfontein Filling Station. The development site is north adjacent to the R 573 Moloto / Marble Hall road in the settlement of Mabhoko Ext 1, approximately 3km south of Kwaggafontein and 3km north of Vlakraagte. It is situated some 68km south of Marble Hall, along the R573, in Thembisile Hani Local Municipality within Nkangala District Municipality, Mpumalanga

Province.

7. Soweto Integration Project

Client	Eskom Holdings (Eskom Tx)
Project location (Province)	Gauteng Province (Soweto)
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Full Scoping and EIA Process

Appointed by Eskom Holdings to carry out an Environmental Impact Assessment for the Soweto Integration Project on behalf of Eskom Transmission. The project entailed the construction of a 30km, 400kV power line from Etna Substation (Lenasia south) to Quattro Substation (a new proposed substation in proximity to the Soweto Cooling Towers) in Gauteng Province. The project required an intensive public participation process due to the highly built up nature of the area and the diversity of people residing in the area and many technical / specialist involvement:

- Development Assessment (current applications, future applications, Spatial nodes ito proposed power line alternatives considered);
- Social-, visual-, ecological-, avifauna-, Heritage Impact Assessment;
- Wetland Assessment

8. Etna – Glockner 275kV Power line Final EMP

Client	Eskom Holdings (Eskom Tx)
Project location (Province)	Gauteng Province, Rothdene
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Final Walkthrough of power line alignment Finalisation of Environmental Management Plan

Appointed by Eskom Holdings to conduct a Final Walkthrough (field survey) for the finalisation of the Environmental Management Programme as well as compilation and submission of the Final EMPr of a 30km, 400kV power line from Glockner (near Vaal Triangle) substation to Etna (near Soweto) substation in the Gauteng Province.

9. Erasmus – Bonamanzi power line and new substation

Client	Eskom Holdings (Eskom Dx Witbank)
Project location (Province)	Gauteng Province, Bronkhorstspuit
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Basic Assessment Process (WULA was handled externally)

Appointed by Eskom Distribution to carry out an Environmental Impact Assessment for the construction of a 15km, 132kV power line from Erasmus (Bronkhorstspuit) substation to Bonamanzi (Bronkhorstspuit Dam) substation in the Bronkhorstspuit area, Gauteng Province.

10. Rayton – Bynes 132kV power line and 132kV Substation

Client	Eskom Holdings (Eskom Dx Menlyn)
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Project location (Province)	Gauteng Province, Rayton
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Basic Assessment Process

Appointed by Eskom Distribution to carry out an Environmental Impact Assessment for the construction of a 12km, 132kV power line from Rayton substation to Bynes substation in the Rayton area, east of Pretoria, Gauteng Province.

11. Spitskop-Mamba 132kV power line and substation

Client	Eskom Holdings (Eskom Dx Limpopo Region)
Project location (Province)	Limpopo Province, Koedoeskop
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Basic Assessment Process

Appointed by Eskom Distribution to carry out an Environmental Impact Assessment for the construction of a 40km, 132kV power line from Spitskop (Northam) substation to Mamba (Koedoeskop) substation in the Northam/Koedoeskop area, Waterberg District, Limpopo Province.

12. Moedwil-Swartruggens 132kV power line and substation

Client	Eskom Holdings (Eskom Dx North West Region)
Project location (Province)	North West Province, Swartruggens
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Basic Assessment Process

Appointed by Eskom Distribution to carry out an Environmental Impact Assessment for the construction of a 20km, 132kV power line from Moedwil (Moedwil farming area, outside Rustenburg) substation to Swartruggens substation.

13. Madikwe-Derdepoort Road resurfacing

Client	Limpopo Department of Roads and Transport
Project location (Province)	Limpopo Province, Madikwe / Derdepoort
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Basic Assessment Process

Appointed by Limpopo Department of Roads and Transport to carry out an Environmental Impact Assessment for the upgrade/resurfacing of the Madikwe Game Reserve/Derdepoort Border Post gravel road, South Africa and Botswana periphery, Limpopo Province.

14. Kamani Merensky 132kV power line and substations

Client	Eskom Holdings (Eskom Dx Nelspruit)
Project location (Province)	Limpopo Province, Roosenekal /

	Steelpoort
Project duration (months)	20 months
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Basic Assessment Process

Appointed by Eskom Distribution to carry out an Environmental Impact Assessment for the construction of a 30km, 132kV power line from the existing Merensky Substation to the proposed 2 new substations at Kennedy's Vale and Kalkfontein, Between the Steelpoort and Roosenekal area, Limpopo Province.

15. Cape Malting Plant	
Client	FABCOS
Project location (Province)	Northern Cape Province, Modderfontein / Ritchie
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Basic Assessment Process

Appointed by Cape Malting House (FABCOS) to carry out an Environmental Impact Assessment for a state of the art Commercial Malt Production Plant in Ritchie, Frances Baard District, Northern Cape Province.

16. Styldrift Phase 1 Project	
Client	Royal Bafokeng Platinum / Knight Piesold Consultants
Project location (Province)	Boshoek, North West Province
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Landowner Consent Consultation

Appointed by Royal Bafokeng Platinum to facilitate the consultation of landowners on 7 different farms (various farm portions) identified as possible locations for a proposed Tailings Dam for Rasimone Mine (Royal Bafokeng Platinum) as part of the new Styldrift Phase 1 project in the Rustenburg area. This consultation served to seek consent from landowners to undertake a Geotechnical Investigation on each farm portion forming part of the 7 site options considered. This project entailed sharing of sensitive information with select farm owners and trustees without the leak of information or misinterpretation of information provided to landowners. This consultation assisted to select the optimum site alternative and opened further discussions with other mines for procure of land. This project was located in the Phokeng and Boshoek area, Rustenburg , North West Province

17. Hartbeestfontein Landfill Site	
Client	Madibeng Local Municipality
Project location (Province)	Hartbeestfontein, Hartbeespoort
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Basic Assessment Process

Appointed by Madibeng Local Municipality to carry out Basic Impact Assessment and Environmental Management Plan including Waste Management Plan to expand the

Hartebeestfontein Landfill Site, Brits, North West Province.

I conducted the BA Process and EMP. The project was however stalled post submission of reporting for public comment. This project therefore was not concluded.

18. Lebone II College

Client	Royal Bafokeng Administration
Project location (Province)	Phokeng, North West Province
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Full Scoping and EIA

Appointed by Royal Bafokeng Administration to carry out a full Scoping and Environmental Impact Assessment Process for the construction of the Lebone II College of the Royal Bafokeng in Rustenburg.

19. Tshilidzini Sasol Filling Station

Client	Tshumisano Trading CC t/a Sasol Tshilidzini Filling Station
Project location (Province)	Thohoyandou, Limpopo Province
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Section 24G Application

Appointed by Tshumisano Trading CC t/a Sasol Tshilidzini Filling Station to undertake the public consultation process and develop an Environmental Report and associated Environmental Management Plan (EMP) in support of the Section 24G Application submitted to Limpopo Department of Economic Development, Environment & Tourism (LEDET) for the unlawful commencement of a listed activity. Filling Station is located along the Punda Maria Road in the Thohoyandou area, Limpopo Province

20. Nooitgedacht Prospecting Right Application

Client	Mantra Mineral Development Bakwena Ba Phalane Traditional Community
Project location (Province)	Koedoeskop, Limpopo Province
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Prospecting Right Application ito MPRD Act

Appointed by Bakwena Ba Phalane Traditional Community and Mantra Mineral Development to undertake a public consultation process and develop a prospecting Environmental Management Plan (EMP) with regard to a Prospecting Right Application for the prospecting of iron ore and several other ore bodies in the Koedoeskop / Nooitgedacht area, Thabazimbi Local Municipality, Limpopo Province

21. Fanie 578 MS – Prospecting Right Application Process

Client	Tshanduko Minerals Pty Ltd
Project location (Province)	Louis Trichardt, Limpopo Province

Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Prospecting Right Application ito MPRD Act
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Appointed by Thanduko Minerals Pty Ltd to conduct a public consultation process and development of the prospecting Environmental Management Plan (EMP) with regard to a Prospecting Right Application for the prospecting of **Coal** north of Louis Trichardt and also north of the Soutpansberge just east of the N1 National Toll Road in the magisterial district of Makhado in the Limpopo Province.

22. KALKBANK – Prospecting Right Application Process

Client	Tshanduko Minerals Pty Ltd
Project location (Province)	Dendron, Limpopo Province
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Prospecting Right Application ito MPRD Act

Appointed by Thanduko Minerals Pty Ltd to undertake the public consultation process and development of the prospecting Environmental Management Plan (EMP) with regard to a Prospecting Right Application for the prospecting of Limestone in the Kalkbank area located halfway between Dendron and Polokwane in the magisterial district of Aganang in the Limpopo Province.

23. POLTON, SALTON, HOSELAPPE – Prospecting Right Application Process

Client	Naledzi Environmental Consultants CC
Project location (Province)	Alldays, Limpopo Province
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Prospecting Right Application ito MPRD Act

Appointed by Naledzi Environmental Consultants CC to undertake the public consultation process and development of the prospecting Environmental Management Plan (EMP) with regard to a Prospecting Right Application for the prospecting of **Coal, Iron ore and Copper** north east of Alldays in the magisterial district of Musina in the Limpopo Province.

24. Rietfontein Subsidised Residential Development

Client	Gauteng Department of Local Government and Housing
Project location (Province)	Alberton/Katlehong south, Ekurhuleni Metropolitan Municipality, Gauteng Province
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Baseline Assessment Full Scoping and EIA WULA was to be handled externally by Wetland Consultant

Appointed by local government through a consortium of specialists to conduct firstly a Baseline Assessment for the development site to determine the developable surface and provide initial environmental perimeters/sensitive areas as per the Gauteng C-Plan, environmental constraints as per the EMF of Ekurhuleni. The project proceeded to the

conduct of a Full Scoping and EIA process.

25. Rayton – Rhinosterfontein-Essellen 132kV power line & Substation

Client	Eskom Holdings (Eskom Dx Menlyn)
Project location (Province)	Gauteng Province, Rayton
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Basic Assessment Process Environmental Site Scan

Appointed by Eskom Distribution to carry out an Environmental Impact Assessment for the construction of a 25km 132kV power line from Rayton Substation to a proposed new Rhinosterfontein substation with associated feeder lines. The study area is located east of Pretoria in a rural-residential area north and south of the N4 at Rayton in Gauteng Province.

26. Magareng Grain Storage Silos and Collection Facility

Client	BCP Capital
Project location (Province)	Northern Cape Province, Warrenton
Site:	Portion 6, farm Fourteen Streams 311RD
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Scoping & EIA Process
Responsibilities	Review of Environmental Impact Report Public Participation Public Meeting

Appointed by BPC Capital to carry out an Environmental Impact Assessment for the construction the 72 000 metric ton Magareng Grain Storage Silos and Collection Facility. The study area is 30 hectares in extent and located north west of Warrenton town on Portion 6 of the farm Fourteen Streams 311RD. It is located along the N12 between Warrenton and Christiana in Magareng Local Municipality of the Francis Baard District in the Northern Cape Province.

Shortened list of projects undertaken during 2004 – 2007 whilst under contract for other private consultants: Enpact Environmental Consultants CC and Ecotechnik Environmental Consultants CC

27. Thulani Section Land Tenure Upgrading

Project location (Province)	Matsulu, Mpumalanga Province
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Land Tenure Upgrading

Appointed by local government to survey and capture all stand details within the Thulani Section of Matsulu as well as document details of current occupants for registration of title deeds. Entailed excessive public consultation, community liaison and field work.

28. Lebowakgomo Filling Station

Project location (Province)	Lebowakgomo, Limpopo Province
Type of applications required (BA, full Scoping/EIA, WULA, Emergency projects)	Scoping and EIA

Appointed by a private developer to conduct a full Scoping and EIA process for the construction of a filling station, some 50km south of Polokwane in the village of Lebowakgomo in Limpopo Province.

- (29) Full Scoping and EIA for the construction of Shandon Estate Heights (Residential Development) and access road, Nelspruit, Mpumalanga Province
- (30) Full Scoping and EIA for the construction of Matumi Extensions (Residential Development), Nelspruit, Mpumalanga Province
- (31) Full Scoping and EIA as well as the “then referred to CAPCO Licence Application” for the Sabie Incinerator for Sabie Waste Water Treatment Works, from Ehlanzeni District Municipality in the Sabie area, Mpumalanga Province
- (32) Full Scoping and EIA for the construction and upgrading of roads in the rural areas of Kanyamazane, Matsulu, Mpumalanga Province
- (33) Full Scoping and EIA process for the construction of the Kamaqhekeza Storm water management system, Kamaqhekeza, Mpumalanga Province
- (34) Masibikela Bulk Water Pipeline and Reservoir, Masibikela, Mpumalanga Province
- (35) Five Assegai Country Estate Storage Dams, Badplaas / Machadodorp, Mpumalanga Province;
- (36) Upgrading of the Elandshoek Bus route, Elandshoek, along N4 Highway, Mpumalanga Province
- (37) Full Scoping and EIA for the establishment and construction of Katoen Industrial/ Commercial development, Rocky’s Drift, Nelspruit, Mpumalanga;
- (38) Construction of Ready Mix Concrete Plant, White River Industrial Area, Mpumalanga