

CURRICULUM VITAE FOR MR KABEDI ONIS MASHILO

Professional Profile: Environmental Scientist and Environmental Manager with more than fourteen years of experience in integrated environmental management, waste management, water resource management, environmental compliance, public participation, informal settlement upgrading, and GIS. Experienced in preparing environmental assessment reports, environmental management plans, water use licence applications, integrated waste management plans, compliance audits, monitoring reports, and spatial data outputs for public- and private-sector projects.

Background: I am an Environmental Scientist with more than fourteen (14) years of experience in integrated environmental management, informal settlement upgrading, waste management, and geographical information systems. I hold a BSc (Hons) in Environmental Monitoring and Modelling and a BSc in Environmental Management: Chemistry Stream, both from the University of South Africa; as well as a Postgraduate Diploma in Water Management from IEMSA; and a Diploma in Occupational Health and Safety from Oxbridge Academy (Pty) Ltd. I have also completed ISO 9001:2015 Development and Implementation training, which focuses on workplace quality management.

I am an advocate for environmental protection and waste management, with practical experience applying the National Environmental Management Act, National Environmental Management: Waste Act, Environmental Impact Assessment Regulations, 2014 as amended, Mineral and Petroleum Resources Development Act, National Water Act, Occupational Health and Safety Act, and related environmental legislation. My experience has strengthened my management, communication, research, negotiation, coordination, and stakeholder engagement capabilities. I work well under pressure, enjoy learning, and value strong professional relationships with clients, colleagues, and graduates I have mentored in the environmental management field.

I have worked for various construction and consulting companies, gaining extensive experience in integrated environmental and waste management. I later joined Rambuda Consultants (Pty) Ltd as a Senior Environmental Scientist and Geographic Information System Specialist. My responsibilities include environmental education, implementation of RODs and EMPs, environmental project management, environmental impact assessments, environmental management plans, water use licensing, waste management licence applications, water resource management planning, Environmental Compliance Officer duties, mining permit applications, tree removal permits, supervision of two (2) personnel, and the use of ArcGIS V10.4 and Quantum GIS 2.18.

Personal Details: Contact Details: Residential Address: 079 493 8972/ 076 422 2957

Driver's License

Stand 20145, Maila Mapitsane, Sekhukhune, 1124

Criminal record:

Code 10

None

Education:	Institution	Qualification	UNISA
			Honours BSc Degree – Environmental Modelling and Monitoring
			Impacts of poorly treated wastewater effluent on the water quality
	Research title		of Bronkhorstspuit, Mpumalanga Province
			2017
	Year obtained		
	Institution		IIEMSA
	Qualification		Post Graduate Diploma in Water Management
	Year obtained		2023
	Institution		Oxbridge Academic (Pty) Ltd
	Certification		Diploma in Occupational Health and Safety
	Year obtained		2015
	Institution		UNISA
	Certification		BSc (Environmental Management, Chemistry Stream)
			2011
	Year obtained		
	Institution		Moleshatlou High School (Ga Maila Mapitsane)
	Certification		Grade 12 (with Exemption)
	Year obtained		2006

Training Courses: International Computer Driving License (Certificate), 2008. UNISA Technical Report Writing, April 2015. Alusani Skills and Training ERDAS IMAGINE V2014, 2015, 2016, October 2015 and 2016. UNISA
ISO 9001:2015: Development and Implementation
National Water Act, 1998 Section 21 (c)(i) Training. DWS Instream

Professional Registration: Environmental Assessment Practitioners Association of South Africa (Registered EAP) – Reg. No. 2019/1263; South African Council for Natural Scientific Professions (SACNASP) – Reg. No. 119018.

LANGUAGES:

- **Speak:** Sepedi (good), English (good), Setswana (good), Zulu (Fair), Tshivenda (fair).
- **Read:** Sepedi (good), English (good), Setswana (good).
- **Write:** Sepedi (good), English (good), Setswana (fair).

CURRENT OCCUPATION

Environmental Manager: Organisation: Rambuda Consultants (Pty) Ltd
Period: November 2023 to date

The responsibilities include:

- Providing Environmental Education (including waste management) to the Contractor's employees.
- Conducting environmental awareness programmes for contractors.
- Prepare an Integrated Waste Management Plan for Municipalities.
- Preparing Waste Management Licence Applications.
- Prepare Environmental Assessment Reports (Basic Assessment & Scoping and EIA) and Environmental Management Plans for various projects (Waste Management, Landfill Closure, Mining, Roads, Filling Stations, Housing Developments, etc.).
- Prepare Section 24G rectification and Water Use License Applications.
- Prepare Environmental Compliance Audits and Monitoring Reports.
- Prepare Human Settlement Upgrading Plans for various informal settlements in the Republic of South Africa.
- Giving Support to the Geohydrological Department.
- Conduct inspections and audits and follow up on corrective and preventative actions.
- Monitoring implementation of RODs and EMPs at various construction sites.
- Undertake Flora and Fauna Search and rescues.
- Plan and execute the Public Participation Process according to EIA regulations and DWA guidelines, liaise with clients, and coordinate projects in both private and public sectors.

WORK EXPERIENCE

Environmental Specialist (Head of Sub-Directorate Environmental Engineering): Department of Water and Sanitation – Central Operations

Period: May 2018 – October 2023

The responsibilities include:

- Head of Sub-Directorate Environmental Engineering.
- Managing and mentoring of six (6) subordinates.
- Annual planning and budgeting for the sub directorate.
- Chairing of all environmental committees within the Central Operations (covering all dams, in Northern Cape, Free State and part of Gauteng, Northwest and Mpumalanga Provinces).
- Development of alien management plans and annual eradication programme for both terrestrial and aquatic alien species.
- Development and implementation of Resource Management Plans on selected state dams.
- Management of access and use of government waterworks (state dams).
- Management of wastewater and water treatment works.

- Management of hazardous substances within the cluster.
- Management of waste management practices within the cluster.

Environmentalist: Organisation: Asande Projects cc.

Period: August 2016 – April 2018.

The responsibilities include:

- Providing Environmental Education (including waste management) to the Contractor's employees.
- Conducting environmental awareness programmes for contractors.
- Prepare Integrated Waste Management Plan for Municipalities.
- Preparing Waste Management Licenses Application
- Prepare Environmental Assessment Reports (Basic Assessment & Scoping and EIA) and Environmental Management Plans for various projects (Waste Management, Landfill Closure, Mining, Roads, Filling Stations, Housing Developments, etc.).
- Prepare Section 24G rectification and Water Use License Applications.
- Prepare Environmental Compliance Audits and Monitoring Reports.
- Prepare Human Settlement Upgrading Plans for various informal settlements in the Republic of South Africa.
- Giving Support to the Geohydrological Department.
- Conduct inspections and audits and follow up on corrective and preventative actions.
- Monitoring implementations of RODs and EMPs at various construction sites.
- Undertake Flora and Fauna Search and rescues.
- Plan and execute Public Participation Process according to EIA regulations and DWA guidelines and Liaise with clients and coordinate projects in both private and public sectors.
- Environmental modelling using ERDAS IMAGINE.
- Capture GIS data in different formats using GPS, electronic data recorders, digitisers and other means.
- Download, convert, and upload GIS data available from internal and external sources to make them usable.

Environmentalist: Organisation: Engineerex (Pty) Ltd

Period: March 2014 – July 2016

The responsibilities include:

- Facilitating the development of Resource Management Plans for Bronkhorstspuit Dam, Ebenezer Dam, Setumo Dam, Lotlamoeng Dam and Nandoni Dam.
- Plan and execute the Public Participation Process according to EIA regulations and DWA guidelines. Liaise with clients and coordinate projects in both private and public sectors.

- Waste Management permitting.
- Developing Zoning Plans for Government Waterworks (e.g. State Dams).
- Providing Environmental Education (including waste management) to the Contractor's employees.
- Conducting environmental awareness programmes for contractors.
- Preparing Waste Management License applications
- Conduct inspections and audits and follow up on corrective and preventative actions.
- Monitoring implementation of RODs and EMPs at various construction sites.
- Undertake Flora and Fauna Search and rescues.
- Prepare Environmental Assessment Reports (Basic Assessment & Scoping and EIA) and Environmental Management Plans for various projects (Mining, Roads, Filling Stations, Housing Developments, etc.).
- Prepare Environmental Compliance Audits and Monitoring Reports.
- Environmental modelling using ERDAS IMAGINE.
- Capture GIS data in different formats using GPS, electronic data recorders, digitisers and other means.
- Download, convert and upload GIS data available from internal and external sources to make them usable.
- Perform GIS data quality control, including reviewing data for completeness and accuracy, and identifying and correcting errors or omissions in the data.
- Catalogue and inventory GIS data, including metadata creation.

Environmental Consultant: Organisation: Phaki Phakanani Environmental Consultants

Period: February 2012 – February 2014

The responsibilities included:

- Prepare Environmental Assessment Reports (Basic Assessment & Scoping and EIA) and Environmental Management Programs, Monitoring implementations of RODs and EMPs at various contraction sites, Conducting environmental awareness programmes, Conduct environmental site audits and generate audit reports for Environmental Control Officer appointments, assists in fauna and flora search and rescues, Water use and Mining permit applications, GIS-based mapping and spatial data analysis, Plan and execute Public Participation Process according EIA regulations, and Liaise with clients and co-ordinate project in both private and public sectors Projects.

Environmental Ambassador:

Organisation: Dyambwini Construction and Project Solutions

Period: April 2011 – April 2012

The responsibilities included:

- Providing Labour assistance during the Domestic Air Pollution Reduction Project in the Ivory Park area; Providing feedback and reporting to the Managing Director on the project development; and conducting and facilitating environmental education at public places and residential areas.

VOLUNTARY EXPERIENCE

Mentor and Tutor:

Organisation: IkamvaYouth

Period: April 2015 to 2022

INTERESTS

Hobbies: Reading, hiking and camping.

Position of Responsibility held: Vice President of the College of Agriculture and Environmental Science (UNISA Polokwane Campus _2009-2010)

Project Group Leader for Domestic Air Pollution Reduction Project (2011).

Maintenance Officer for Madibatlou Middle School (SGB) (2022 -)

Prizes and Awards:

Cum laude Award for academic excellence from Oxbridge Academy Pty Ltd (2015).

Managing Director Award (2016): Asande Projects Consulting and Engineering

Employee of the Year (2017): Asande Projects Consulting and Engineering

GoldenKey – The International Honour Society holder - 2023

SKILLS

Professional Skills:

Research and analytical skills.

Stakeholder Engagements. Report writing skills.

Administration skills. Environmental monitoring. Leadership skills.

Project Management

Understanding of the new EIA Regulations (2014), Implementation of the RODs and EMPs, and other related permits

Computer skills: Microsoft Office Applications (ICDL). Arc GIS (V10.4.) and QGIS (V2.12)

Google Earth Application.

Interpersonal Skills:

Ability to work under pressure. Creative problem-solving skills.

REFERENCES

May be provided if required.