

Ms. Kagiso Mohlamme (Cert.Sci.Nat)

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South Africa

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PERSONAL INFORMATION

Nationality: South African

Identification Number: 9005250366085

Languages: Sesotho, English, Setswana, Sepedi, Afrikaans, IsiZulu

Driver's License: Code 8/EB & own car

PROFILE SUMMARY

Kagiso is a Certified Natural Scientist specialising in Environmental Science. Within the 5 years of relevant experience, Kagiso has successfully promoted sustainability within the Built Environment and Mining industries. Her diligence and passion for the Environment has furnished her with knowledge to conservation the Environment through Environmental Impact Assessments and Mining Applications.

Within the Build Environment industry, Kagiso has managed to complete Basic Assessments and Full Scoping & Environmental Impact Reports for the construction of various facilities in and around the Gauteng Province. Of recent, Kagiso has ventured into the mining industry and is currently assisting mine quarries with Mining Permit and Mining Right Applications across South Africa. She has promptly completed Rehabilitation Plans, Alien Invasive Management Plans, Environmental Performance Assessments, Environmental Risk Assessments and Mine Closure applications.

In addition to Site inspections, Kagiso undertakes Environmental Auditing and Monitoring for air quality (dust monitoring) through collection and sampling.

With reference to the field environment, Kagiso is a qualified nature guide with intermediate field experience with wild game for conservation purposes.

EDUCATION

2017	University of the Witwatersrand Master's Degree in Environmental Sciences (Coursework and Dissertation) In progress, Completion date: 2019
2016	University of South Africa BSc. Honours in Environmental Sciences (with distinctions) Completed
2015	FGASA Level 1 Completed
2012	University of Johannesburg BSc. Life & Environmental Science Majoring in Environmental Management & Geography Completed

PROFESSIONAL REGISTRATIONS & AFFILIATIONS

Registration: South African Council for Natural Scientific Professions (SACNASP, Certified Natural Scientist) for Environmental Science, Reg 117319

Registration: Field Guide Associates of South Africa (FGASA) - Nature Conversation Guide: Reg 21157

Affiliations: International Associations for Impact Assessments South Africa

WORK EXPERIENCE

Organisation: Greenmined Environmental Consulting

Duration: 1 September 2018 – current

Title: Environmental Consultant

Duties:

- Basic Environmental Impact Assessments - Permit, Prospecting and Exploration Applications
- Scoping Environmental Impact Assessments: Mining Right Applications
- Rehabilitation Plans;
- Closure Applications;
- Section 24G applications;
- Public Involvement Process;
- Environmental Control Office services;
- Alien Invasive Management Plans;
- Environmental Feasibility Studies;
- Environmental Auditing and Compliance;
- Environmental Monitoring;
- Specialist's identification and
- Project Management;

Organisation: Arengo6 Build Environment Consultants

Duration: 1 February 2016 – 31 August 2018

Title: Environmental Scientist

Duties:

Conduct *all* Environmental related activities for Arengo6 which include but are not limited to;

- **Develop an Environmental Science department;**
- Manage all Environmental activities on sites and office;
- Basic Environmental Impact Assessments;
- Scoping Environmental Impact Assessments;
- Exemptions for applicable projects;
- Public Involvement Process;
- Environmental Control Officer Management;
- Licence applications: Water Use Licence Application, Atmospheric Emissions Licence; Waste Disposal permits;
- Section 24G applications;
- Feasibility Studies;
- Specialist's identification;
- Project Management (six stages of Engineering Processes);
- International Standardization of Organisation (ISO) 14001:2004 system implementation, compliance and ensuring continuous improvement

Organisation: Sebata Group of Companies

Duration: 1 July 2013 – 31 January 2016
Title: Environmental Scientist

Duties:

1. Environmental Impact Assessment

- Prepare proposals;
- Prepare the financial costing;
- Research project background and the scope of work;
- Site Visits;
- Apply with the relevant departments (Department of Environmental Affairs, Department of Water Affairs);
- Identify relevant Specialist Studies [Air quality, ground water, etc] (pertaining to the types of project);
- Contact and liaise with Specialist Studies;
- Prepare Scope of work;
- Create Stakeholder database and inform stakeholder of project;
- Conduct Public Participation (meetings, notice handouts, site handouts);
- Liaise with relevant department (meetings);
- Draft reports for Manager;

2. Project Management

- Prepare project life cycle for an Environmental project, e.g. Ingula Pumped Storage Scheme, Ovation Capital Mining project, Kusile Integrated Waste Water Management Programme;
- Prepare financial costing (actual cost, mark ups for company, disbursements, and contingencies);

3. Environmental Management System: ISO 14001

- Implement an on-going system;
- Conduct general awareness on environmental aspects (water, waste, etc);
- Enforce compliance;
- Develop Waste Management;
- Develop Risk Management for the system;
- Conduct training;
- Schedule management meetings;
- Monitor resource usage and consumption
- Conduct internal audits in preparation for external auditing;

4. Social Responsibility Committee – for BBEEE management certification

- Prepare annual social activities for Social Responsibility;
- Prepare financial costing for external activities, e.g. Mandela day;
- Conduct external activities related to Social Responsibility, e.g. Mandela day;
- Assist with maintaining certification

5. Health and Safety Certification/ Risk Assessment

- Implement an on-going system;
- Conduct general awareness on health and safety aspects (water, waste, etc);
- Enforce compliance, promote safety and prevent any risks;
- Conduct training (emergency preparedness, minor injuries, major injuries);
- Schedule management meetings;
- Conduct internal audits in preparation for external auditing;

6. Administration & People management

- Manage interns with environmental activities
- Filing;
- Reception work;
- Client assistance (offer beverages, schedule meetings, etc);

ACADEMIC PROJECTS

1. Energy and the Environment, Masters level

Topic: Solar energy systems for wholesale commercial sites – A case study of Makro

Aim: Investigate any use of renewable energy (and compare cost effective measure, if any) and evaluate the impact on the natural environment.

Abstract:

The world's population is continuously rising, with Africa's population expected to increase radically by 2030 (Seto *et al*, 2012) – the demand for electricity is fast increasing. Based on previous literature, it is evident the dependency on non-renewable sources such as fossil fuels have detrimental environmental impacts on the natural environment. The phenomenon of renewable energy has become solutions to the generation of electricity. PV systems are evolving worldwide, particularly in African countries. In South Africa, commercial outlets such as Makro have taken diligent and exciting initiatives to reduce overall environmental impacts and operational costs nationwide. This report details the use of PV in Makro, Carnival and what other retail stores can learn from PV. In addition, this paper outlines the status quo of solar energy and problems thereof in South Africa.

Report available upon request.

2. Environmental energy Audit – University of Johannesburg Faculty offices - 2011

Aim: Record (for Masters and PhD students) the use of electricity within four faculty offices of the university during recess and school terms.

SHORT COURSES, TRAINING & DEVELOPMENT

- ArcGIS BASIC
- FGASA: LEVEL 1
- PROJECT MANAGEMEN
- SCIENTIFIC WRITING & PRESENTATION,
- ENERGY AUDIT

KEY SKILLS

- BIRD CONSERVATION
- PROJECT MANAGEMENT
- ENVIRONMENTAL MANAGEMENT & AUDITING
- COMMUNICATION & CLIENT LIAISON

RESEARCH & ARTICLES

Research: Evaluating the ecosystem service provided by the Red-billed Oxpecker *Buphagus erythrorhynchus* on cattle farms in South Africa. A project by the **Endangered Wildlife Trust**

Article: Update on the ecosystem service provided by the Red-billed Oxpecker in South African farms, Quarterly issue of the Endangered Wildlife Trust Newsletter

REFERENCES

Contact Person Thomas Chongo (Pr. Eng Civil & Structural)
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Contact Person Dr. Mduduzi Ndlovu
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