



Curriculum Vitae Humayrah Bassa

Associate: Environmental Science
Transport and Planning

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F: +27317195505

Email: humayrah.bassa@rhdhv.com

Humayrah Bassa is an Environmental Scientist and holds a Bachelor of Science Degree majoring in Geography and Environmental Management. She also holds an Honours Degree (summa cum laude) in Environmental Science as well as a Masters Degree in Environmental Science. Humayrah is an accomplished researcher and has a wide range of research experience in the fields of Sustainable Environmental Management, with particular focus areas being sustainable environmental planning and development, environmental assessment, natural resource and land management and the applications of GIS. She has gained experience as an environmental consultant and project manager within RHDHV working on a wide range of projects. Her primary skills include screening assessments; Environmental Impact Assessments (EIAs), Water Use License Applications (WULAs), Social Impact Assessments (SIAs); Public Participation; developing and implementing Environmental Management Plans (EMP's); and acting as an environmental control officer (ECO). She is currently pursuing her PhD in Environmental Science and Spatial Technology.

Nationality

South African

Years of Experience

7 year(s)

Years with Royal HaskoningDHV

5 year(s)

Professional Memberships

SA Council for Natural Scientific Professions, Professional Natural Scientist, 400032/15
IAIAsa

Qualifications

- 2007** BSc Geography and Environmental Management, University of KwaZulu-Natal, South Africa
- 2008** BSc (Hons) Environmental Science, University of KwaZulu-Natal, South Africa
- 2010** MSc Environmental Science, University of KwaZulu-Natal, South Africa

Professional experience

Tinley Beach Enhancement EIA

Start Date: 2015

Client Name: Tongaat Hulett Developments

Project Value: R800 000

Position: Project Manager, Environmental Scientist

Assigned Tasks: Project management and execution of the Environmental Impact Assessment Study and Public Participation Process including compilation of all necessary documents.

Lindokuhle Strategic Support

Start Date: 2015

Client Name: Tongaat Hulett Developments

Project Value: R75 000

Position: Project Manager, Environmental Scientist

Assigned Tasks: On-going support and advice with relation to environmental permitting requirements for the Lindokuhle Emergency Housing Relocation Development, including interpretation queries and applications for exclusions from further assessments.

Strategic Support for Water Use Authorisations and Queries

Start Date: 2015

Client Name: Tongaat Hulett Developments

Project Value: R500 000

Position: Project Manager, Environmental Scientist

Assigned Tasks: On-going support and advice with relation to water use authorisations to Tongaat Hulett Developments including compilation and project management of the Integrated Water Use Licence Application for the Comubia Mixed-Use Phased Development, Phase 2.

Sundumbili Wastewater Treatment Works

Start Date: 2015

Client Name: Ilembe Municipality

Project Value: R2 000 000

Position: Environmental Scientist

Assigned Tasks: Review and project management of the Environmental Impact Assessment Study, Public Participation Process, Environmental Management

Programme, Waste Management Licence and Water Use Licence Application in support of the necessary Environmental Authorisations and permits.

Bhudlu Access Road and Bridge

Start Date: 2015

Client Name: Umuziwabantu Local Municipality

Project Value: R876 992

Position: Environmental Scientist

Assigned Tasks: Review and project management of the Basic Assessment Study, Public Participation Process, Environmental Management Programme and Water Use Licence Application in support of the necessary Environmental Authorisations and permits.

Emergency Nondabula Water Reticulation Project

Start Date: 2015

Client Name: Ilembe Municipality

Project Value: R2 000 000

Position: Environmental Scientist

Assigned Tasks: Review and project management of the Basic Assessment Study, Public Participation Process, Environmental Management Programme and Water Use Licence Application in support of the necessary Environmental Authorisations and permits.

R102 Upgrades

Start Date: 2015

Client Name: Department of Transport

Project Value: R1 000 000

Position: Environmental Scientist

Assigned Tasks: Review and project management of the Basic Assessment Study, Public Participation Process, Environmental Management Programme and Water Use Licence Application in support of the necessary Environmental Authorisations and permits.

Water Use Licence Application for the IRPTN C9

Start Date: 2015

Client Name: eThekweni Transport Authority

Project Value: R400 000

Position: Environmental Scientist

Assigned Tasks: Compilation and project management of the Water Use Licence Application for the Integrated Rapid Public Transport Network, Corridor 9.

Integrated Water Use Licence Application for the Sibaya Development

Start Date: 2014

Client Name: Tongaat Hulett Developments

Project Value: R300 000

Position: Environmental Scientist

Assigned Tasks: Compilation and project management of the Water Use Licence Application for the Sibaya Development, Nodes 1 & 5 including Bulk Service Infrastructure connecting other Nodes.

Cornubia Retail Park ECO

Start Date: 2014

Client Name: Tongaat Hulett Developments

Project Value: R469 540

Position: Project Manager

Assigned Tasks: Project management and review of monthly Environmental Control Officer audits and reporting.

Eastbury Sewer BA and WULA

Start Date: 2014

Client Name: Tongaat Hulett Developments

Project Value: R126 383

Position: Project Manager, Environmental Scientist

Assigned Tasks: Review and project management of the Basic Assessment Study, Public Participation Process, Environmental Management Programme and Water Use Licence Application in support of the necessary Environmental Authorisations and permits.

Tugela River Bridge at Tugela Ferry

Start Date: 2014

Client Name: Department of Transport

Project Value: R10 000 000

Position: Environmental Scientist

Assigned Tasks: Review and management of reports produced by an external Environmental Assessment Practitioner.

Integrated Water Use Licence Application for the Dube TradePort AgriZone

Start Date: 2014

Client Name: Dube TradePort Corporation

Project Value: R319 838

Position: Environmental Scientist

Assigned Tasks: Assistance with the Water Use Licence application.

P125 Road Upgrade

Start Date: 2014

Client Name: Department of Transport

Project Value: R3 300 000

Position: Environmental Scientist

Assigned Tasks: Review and management of reports produced by an external Environmental Assessment Practitioner.

Cornubia N2 Interchange

Start Date: 2014

Client Name: Tongaat Hulett Developments

Project Value: R100 000

Position: Project Manager, Environmental Scientist

Assigned Tasks: Revision of the Environmental Management Programme, Application to Amend the Environmental Authorisation, Water Use Licence Application and review of monthly Environmental Control Officer reports.

MSW and Benefication Opportunities Feasibility Study for Nelson Mandela Bay Municipality

Start Date: 2014

Client Name: Eskom Holdings

Project Value: R2 500 000

Position: Environmental Scientist

Assigned Tasks: Environmental Screening Investigation to identify fatal flaws, advise on site selection and environmental permitting requirements.

Integrated Water Use Licence Application for the Cornubia Retail Park

Start Date: 2013

Client Name: Tongaat Hulett Developments

Project Value: R171 000

Position: Environmental Scientist

Assigned Tasks: Compilation and project management of the Water Use Licence Application for the Cornubia Retail Park Development.

Detailed Planning and Investigation for the Ndwedwe Bulk Water Supply Scheme

Start Date: 2013

Client Name: Umgeni Water

Project Value: R3 000 000

Position: Environmental Scientist

Assigned Tasks: Environmental Screening Investigation to identify fatal flaws, advise on site selection and environmental permitting requirements.

Ntatashana Road Upgrade

Start Date: 2013

Client Name: PGA Consulting

Project Value: R300 000

Position: Project Manager, Environmental Scientist

Assigned Tasks: Review and project management of the Basic Assessment Study, Public Participation Process, Environmental Management Programme and Water Use Licence Application in support of the necessary Environmental Authorisations and permits.

SuperGroup Upgrade at Sprite Road Basic Assessment, South Africa

Start Date: 2012

Client Name: Super Group Trading (Pty) Ltd

Project Value: R114,000.00

Position: Project Manager, Environmental Scientist

Assigned Tasks: Project Management and Compilation of the Basic Assessment Study, Public Participation Process, and Environmental Management Programme in support of the necessary Environmental Authorisations and permits.

Basic Assessment for the proposed eGoli Water Supply in KZN, South Africa

Start Date: 2012

Client Name: Mafahleni Engineers and Project Managers

Project Value: R151,453.00

Position: Project Manager, Environmental Scientist

Assigned Tasks: Project Management and Compilation of the Basic Assessment Study, Public Participation Process and Environmental Management Programme in support of the necessary Environmental Authorisations and permits.

Coastal - Permit Amendment application for marine effluent Disposal Pipeline, South Africa

Start Date: 2012

Client Name: Mhlathuze Water

Project Value: R133, 540.00

Position: Environmental Scientist

Assigned Tasks: Assist with the compilation and submission of application for Mhlathuze Water Effluent Disposal Licence review

Mahogany Ridge Interchange Environmental Impact Assessment and Basic Assessment, South Africa

Start Date: 2012

Client Name: Hatch Africa (Pty) Ltd

Project Value: R875,000.00

Position: Environmental Scientist

Assigned Tasks: Assist with the compilation of the Basic Assessment Study.

Cornubia Industrial and Business Estate Environmental Control Officer (ECO) - Phase 1, South Africa

Start Date: 2012

Client Name: Tongaat Hulett Developments

Project Value: R450 000

Position: Project Manager, ECO

Assigned Tasks: Responsible for undertaking monthly site audits and audit reports as well as audit checklists. Further responsibilities include attendance at site meetings and regular liaison with the project team – engineers, contractors and client.

Environmental Impact Assessment for the Cornubia Phase 2 Development, South Africa

Start Date: 2012

Client Name: Tongaat Hulett Developments

Project Value: R989,660.00

Position: Project Manager, Environmental Scientist

Assigned Tasks: Compiling the Scoping and Environment Impact Assessment (EIA) report and Environmental Management Programme, assisting with the Public Participation Process, GIS Mapping. Project Management.

Cornubia Retail Park - EIA, South Africa

Start Date: 2012

Client Name: Tongaat Hulett Developments

Project Value: R370,120.00

Position: Project Manager, Environmental Scientist

Assigned Tasks: Responsible for the management of the Environmental Impact Assessment (EIA) and Public Participation Processes (PPP). This includes attendance at client progress meetings and providing environmental input into the planning of the proposed Retail Development. Further responsibilities include compilation of all project documentation and management and compilation of the Water Use Licence Application and Waste Management Licence Application.

Environmental Impact Assessment (EIA) for a 75MW Photovoltaic Plant, South Africa

Start Date: 2011

Client Name: Basekhu Capital

Project Value: R875,961.00

Position: Environmentalist

Assigned Tasks: Responsible for compiling the baseline social impact assessment specialist report.

THD Tinley Manor Environmental Impact Assessment, South Africa

Start Date: 2011

Client Name: Tongaat Hulett Developments

Project Value: R650, 000.00

Position: Project Manager, Environmental Scientist

Assigned Tasks: Responsible for the management of the Environmental Impact Assessment (EIA) and Public Participation Processes (PPP) as well as the Water Use Licence Application (WULA). This includes attendance at client progress meetings and providing environmental input into the planning of the proposed Development. Further responsibilities include compilation of all project documentation and project management.

Umnini Lodge, Cultural Village & Conference Centre BA, South Africa

Start Date: 2011

Client Name: KwaZulu-Natal Department of Arts & Culture

Project Value: R120 000.00

Position: Environmentalist

Assigned Tasks: Responsible for undertaking the Basic Assessment Process and the public participation process as well as compilation of the Environmental Management Programme for the above project.

BP Preparation for Umzimvubu Ward 6, South Africa

Start Date: 2011

Client Name: Alfred Nzo District Municipality

Project Value: R200,000.00

The compilation of Business plans for Ward G of uMzimvubu in Alfred Nzo District Municipality.

Position: Environmentalist

Assigned Tasks: Responsible for undertaking a preliminary environmental screening investigation; compiling an environmental screening report and recommending specialists for the detailed environmental feasibility study. Further responsibilities included the management of specialists, compilation of detailed environmental feasibility study report and GIS mapping.

Impendle Bulk Water Supply Investigation, South Africa

Start Date: 2011

Client Name: uMgungundlovu District Municipality

Project Value: R150,000,000.00

Position: Environmentalist

Assigned Tasks: Responsible for managing the Water Resource Management Team responsible for the compilation of the Water Use Licence Application and Water Conservation and Demand Management Plan and compilation of project documentation.

MCA Lesotho Health Clinic ECO, Lesotho

Start Date: 2010

Client Name: TBWB JV

Project Value: R4,500,000.00

Position: Environmentalist

Assigned Tasks: Assisting with rehabilitation plans; water quality reports and other relevant technical input.

Ballito Compensation EIA, South Africa

Start Date: 2009

Client Name: Tongaat Hulett Developments

Project Value: R498,033.00

Position: Project Manager, Environmentalist

Assigned Tasks: Conducting the water use licence application process including compilation of all DWA application forms and technical report. Further responsible for the management of the project.

EIA for the Cornubia Mixed Use Phased Development, Mount Edgecombe, South Africa

Start Date: 2008

Client Name: Tongaat Hulett Properties Ltd

Project Value: R1,363,409.00

Position: Environmentalist

Assigned Tasks: Environmental and Public Participation Consultant providing technical input into the processes and responsible for the compilation and management of the water use licence application. Further responsible for the compilation of the Amendment to the Environmental Authorisation.

Employment experience

> University of KwaZulu-Natal

> 2008-2009

■ Post-graduate Research Assistance/ Student Demonstrator and Tutor. This included research towards her MSc Dissertation as well as research assistance towards larger projects such as the Gender, Land and Asset Survey for the International Centre for Research on Woman.



UNIVERSITY OF KWAZULU-NATAL

INYUVESI YAKWAZULU-NATALI

This is to certify that

Humayrafi Bassa

was admitted this day
at a congregation of the University
to the degree of

Master of Science
(Environmental Science)



having satisfied the conditions prescribed for the degree.



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[Signature]
M W Makgoba
Vice-Chancellor

[Signature]
J J Meyerowitz
Registrar

[Signature]
D Jaganyi
Dean

[Signature]
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Kwambatho

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CST

11 April 2011



UNIVERSITY OF KWAZULU-NATAL

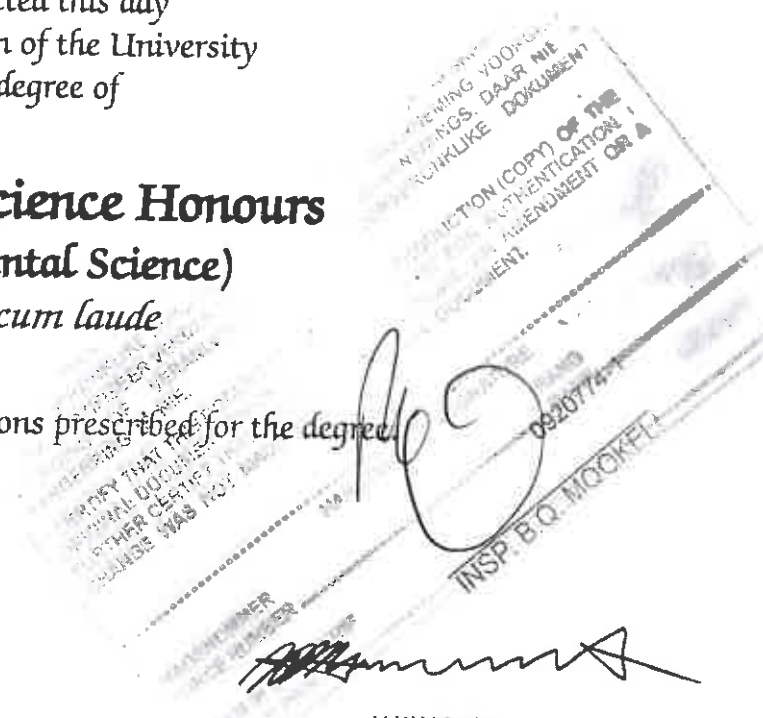
This is to certify that

Humayrah Bassa

was admitted this day
at a congregation of the University
to the degree of

Bachelor of Science Honours
(Environmental Science)
summa cum laude

having satisfied the conditions prescribed for the degree



M W Makgoba
Vice-Chancellor

J.J. Meyerowitz
Registrar

D Jaganayi
Acting Dean



UNIVERSITY OF KWAZULU-NATAL

The Universities of Durban-Westville and Natal merged
to become the University of KwaZulu-Natal on 1 January 2004

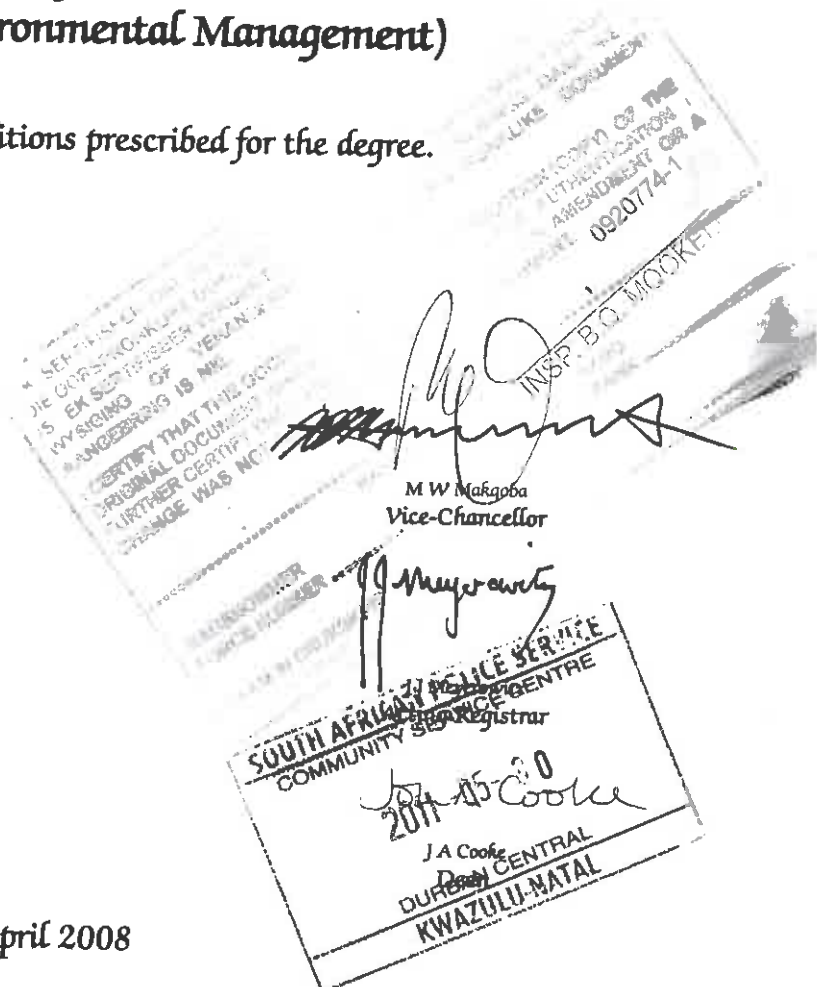
This is to certify that

Humayrah Bassa

was admitted this day
at a congregation of the University
to the degree of

Bachelor of Science
(Geography & Environmental Management)

having satisfied the conditions prescribed for the degree.



17 April 2008

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UNIVERSITY OF KWAZULU-NATAL

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**MERIT
CERTIFICATE**

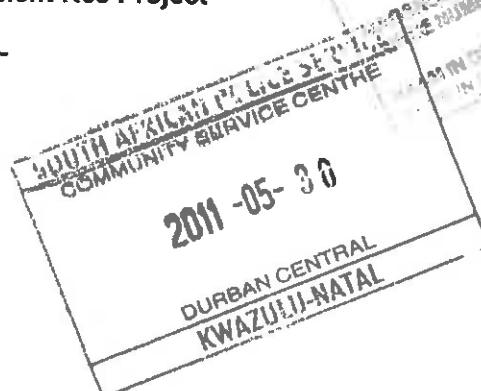
is awarded to

Humayrah Bassa

for outstandingly good work during 2007

in the module(s) listed below:

Environmental Economics
Environmental Management Res Project
GIS & Remote Sensing



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INSP. B.C. MZOKU
P J K Zacharias
Deputy Vice-Chancellor
and Head of College:
Agriculture, Engineering and Science

[Signature]

J A Cooke
Dean: Science and Agriculture



UNIVERSITY OF KWAZULU-NATAL

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MERIT CERTIFICATE

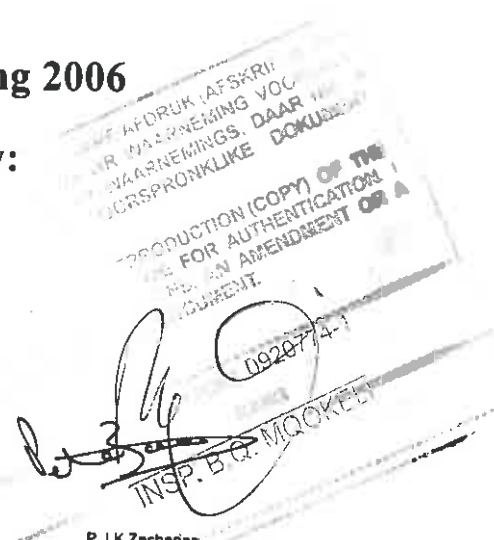
is awarded to

Humayrah Bassa

for outstandingly good work during 2006

in the module(s) listed below:

Environmental Assessment
Environmental Auditing
Geographic Information Systems
Population Ecology



P.J.K. Zacharias
Deputy Vice-Chancellor
and Head of College:
Agriculture, Engineering and Science

J.A. Cooke

J.A. Cooke
Dean: Science and Agriculture



UNIVERSITY OF KWAZULU-NATAL

Faculty of
Science and Agriculture

This

DEAN'S COMMENDATION

is in acknowledgement of outstanding
achievement by

Humayrah Bassa

during the Second Semester of 2007.

31 January 2008



WAS NOT
FORSENDER
FORCE NUMBER
DURBAN CENTRAL
KWAZULU-NATAL



Jon A. Cooke

Dean



UNIVERSITY OF KWAZULU-NATAL

Faculty of
Science and Agriculture

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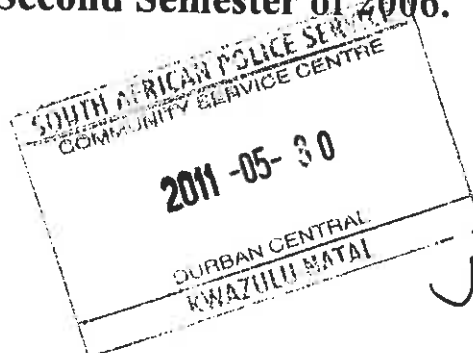
DEAN'S COMMENDATION

is in acknowledgement of outstanding
achievement by

Humayrah Bassa

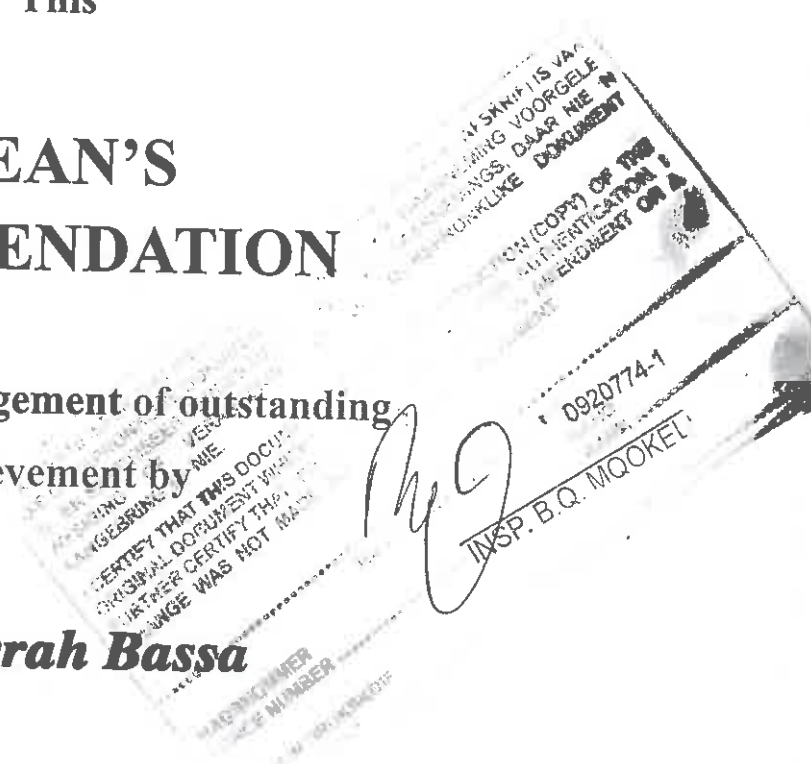
during the Second Semester of 2006.

1 February 2007



Jon Cooke

Dean



SACNASP

South African Council for Natural Scientific Professions

herewith certifies that

Humayrah Bassa

Registration number: 400032/15

is registered as a

Professional Natural Scientist

in terms of section 20(3) of the Natural Scientific Professions Act, 2003
(Act 27 of 2003)
in the following field(s) of practice (Schedule I of the Act)

Environmental Science

28 January 2015



28 January 2015

Pretoria

A handwritten signature in black ink, appearing to be 'M. Casey'.

President

A handwritten signature in black ink, appearing to be 'A. ...'.

Executive Director



Curriculum Vitae

Prashika Reddy

Environmental Scientist

Transport, Aviation and Planning

T: +27123675800

F: +27123478378

Email: prashika.reddy@rhdhv.com

Prashika started her career in the environmental field after spending 5 years working for the Department of Agriculture: Genetic Resources Directorate. She started at RHDHV as a Jnr Environmental Consultant and has worked her way up to the position of Principal Associate. In 2010, she obtained her professional registration as a natural scientist in the field of Environmental Science. Prashika has built up an impressive resume during her 7 years at RHDHV. She has worked on a diversity of projects mainly in the petrochemical industry as well as various large-scale power generation projects. She has established good working relationships with key clients and has undertaken many flagship projects on their behalf (e.g. Sasol and Eskom Underground Coal Gasification). Prashika is a hard working, motivated individual that always produces work of a high quality based on sound scientific thinking that is valued by both the team that she represents as well as external clientele.

Nationality

South African

Years of Experience

12 year(s)

Years with Royal HaskoningDHV

7 year(s)

Professional memberships

SA Council for Natural Scientific Professions, Professional Natural Scientist, 400133/10

Professional experience

Environmental Impact Assessment for the SCC Cold Side Capacity Enablement (MT-9) Project, South Africa

> 2013

- > Sasol Technology (Pty) Ltd
- > Project Value: R225,591.00

Environmental Scoping Study for the proposed SCC Cold Side Capacity Enablement project.

- Project Manager
- Project management, compilation and review of environmental reports.

T01.PTA.000505

Environmental Impact Assessment (EIA) and Waste Management Licence for the Matimba Ash Disposal Facility, South Africa

> 2012

- > Eskom Holdings SOC Limited
- > Project Value: R3,430,630.00

EIA and waste management licence for the Matimba ash disposal facility.

- Environmental Scientist
- Ad hoc project management and quality review of environmental reports.

E02.JNB.001222

Environmental Screening for the Commercial 125MW CSP, South Africa

> 2012

- > Sasol Technology (Pty) Ltd
- > Project Value: R185,000.00

Environmental Screening Investigation for the proposed 125 MW commercial concentrated Solar Power Plant located in Upington.

- Project Principal
- Project Management, management of specialist team and compilation of Environmental Screening Investigation (ESI) report.

E02.PTA.000377

Environmental Impact Assessment for the Sasol Secunda Growth programme 1B Proposed Retrofitting of Gas Turbines, South Africa

> 2011

- > Sasol Technology (Pty) Ltd
- > Project Value: R302,175.00

Environmental Impact Assessment for the Sasol Secunda Growth Programme 1B.

- Project Manager
- Project management and document control, input into the Scoping and EIA Reports, as well as the Environmental Management Programme (EMPr).

E02.PTA.000407

Environmental and Social Impact Study (ESIA) for Envelor Lda in Mozambique, Mozambique

> 2011

- > Envalor Lda
- > Project Value: R2,535,604.48

ESIA for the construction of an ethanol / electricity co-generation Plant, which includes the Envalor Emerging Farmers Project (EEFP) in Mozambique, Sofala Province.

- Project Manager
- Project management, review and compilation of EPDA, review of the ESIA and EMP.

E02.JNB.000900

Waste Management License for the BMW Waste Facility, South Africa

> 2010

- > BMW SA (Pty) Ltd
- > Project Value: R168,797.00

Waste Management License application for the BMW facility, Rosslyn, Pretoria.

- Project Manager
- Project management, client management, authority consultation and report compilation.

E02.PTA.000307

Environmental Impact Assessment (EIA) for Solafrika CSP, South Africa

> 2010

> Lereko Metier Capital Growth Fund Manager (Pty) Ltd

> Project Value: R777,355.00

Environmental Impact Assessment (EIA) for the proposed CSP plant.

■ Environmentalist

■ Compilation of Scoping Report, assistance with quality review of reports and amendment of Environmental Authorisations.

E02.JNB.000674

Rustenburg Integrated Rapid Public Transport Network (IRPTN), South Africa

> 2009

> Rustenburg Local Municipality

> Project Value: R3,000,000,000.00

Planning and implementation of the Rustenburg Integrated Public Transport Network (IRPTN).

■ Environmental Scientist

■ Environmental Screening Investigation, environmental support and EAP management.

T01.PTA.000275

Integrated Environmental Impact Assessment and Waste Management Licence for the Underground Coal Gasification Project and associated infrastructure in support of the co-firing of gas at the Majuba Power Station, Amersfoort, South Africa

> 2008

> Eskom Holdings SOC Limited

> Project Value: R5,158,040.00

Qualifications

2006 BSc (Hons) Geography (*cum laude*), University of Pretoria, South Africa

Integrated EIA and waste management licence for the UCG pilot plant and associated infrastructure.

■ Project Manager

■ Project management, management of sub-consultants, management of the public participation process, compilation of environmental reports.

E02.JNB.000308

Environmental Impact Assessment for the Amendment of Mining Right for the UCG Pilot Plant, Secunda, Mpumalanga

> 2008

> Sasol Technology (Pty) Ltd

> Project Value: R403,371.25

■ Project Manager

■ Project management, compilation of environmental reports and Environmental Management Plan for MDALA and Department of Minerals and Energy. Management of the public participation process.

E02.PTA.000207

Environmental Impact Assessment for the Proposed Pumped Storage Power Generation Facility in the Steelport area, Mpumalanga and Limpopo Provinces (Project Lima)

> 2006

> Eskom Holdings SOC Limited

> Project Value: R1,334,107.00

■ Project Manager

■ Project management, compilation of EIA Report and Environmental Management Plan, management of the public participation process.

E02.JNB.001678

1999 BSc (Hons) Botany, University of KwaZulu Natal, South Africa

1998 BSc Biological Sciences, University of KwaZulu Natal, South Africa



University of Pretoria

The Council and Senate hereby declare that
at a congregation of the University the degree

Baccalaureus Scientiae Honores

(with distinction)
with specialization in
Geography

with all the associated rights and privileges
was conferred on

PRASHIKA REDDY

in terms of the Higher Education Act, 1997 and the Statute of the University

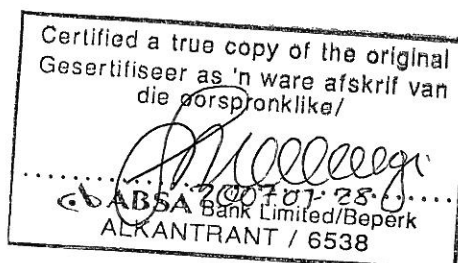
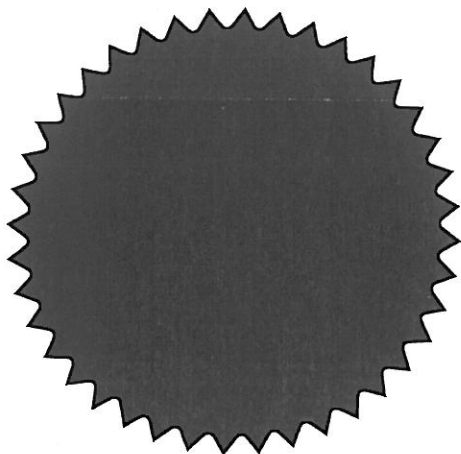
On behalf of the Council and Senate


Vice-Chancellor and Principal

On behalf of the Faculty of
Natural and Agricultural Sciences

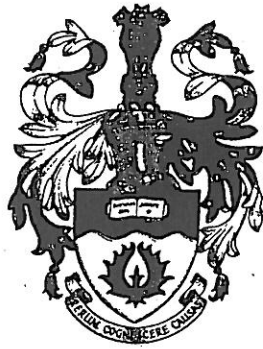

Dean


Registrar



2006-04-24

University of Durban-Westville



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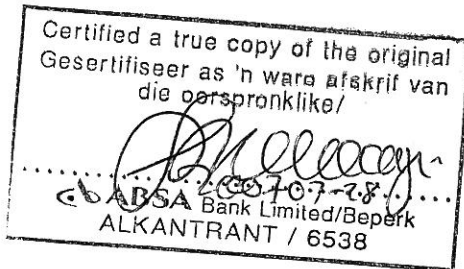
PRASHIKA BUNSI

was this day at a congregation of the University
admitted to the

degree of

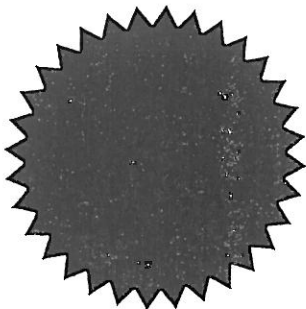
Honoris Baccalaureus Scientiae

having complied with the requirements of the
Art, Statute and regulations

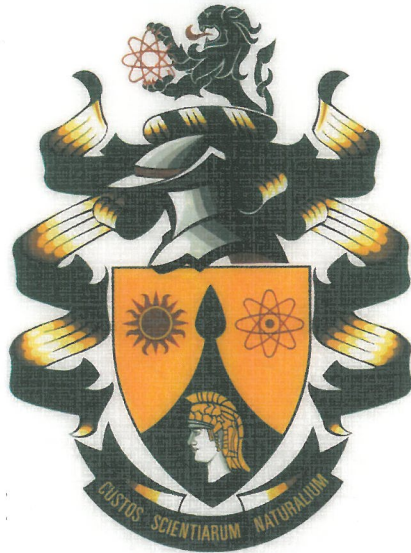


M. Flemashtal
Vice-Chancellor

A. Brimmer
Registrar



Westville, 21 MAY 1999



THE SOUTH AFRICAN COUNCIL
FOR
NATURAL SCIENTIFIC PROFESSIONS

herewith certifies that

Prashika Reddy

Registration number: 400133/10

is registered as a

Professional Natural Scientist

in terms of section 20(3) of the Natural Scientific Professions Act, 2003
(Act 27 of 2003)
in the following field(s) of practice
(Schedule I of the Act)

Environmental Science

04 August 2010

4 August 2010

Pretoria


President


Chief Executive Officer



Smartly fulfilling our clients' environmental obligations

Most infrastructure and development projects require some form of screening, permit, license or environmental authorisation prior to implementation. Environmental monitoring and compliance checks are also needed after projects have received the go-ahead.

At Royal HaskoningDHV we have the experience and expertise to provide the best environmental service and solutions. By investigating and identifying potential environmental impacts we ensure that project delays and any harmful effects on the environment and nearby communities are reduced or eliminated.

Environmental screening and risk assessment

This process provides a high-level desktop scan of environmental sensitivities or fatal flaws, reducing project risk by facilitating informed decision-making during feasibility, preliminary design and detailed engineering design. It determines if, and when, a proposed development requires environmental assessment and the appropriate level of such an assessment. It also flags environmental legislation and approval timelines.

Our services include:

- Assistance with authority pre-application meetings

- National Environmental Management Act (NEMA) interpretations
- Input into multi-disciplinary pre-feasibility and feasibility studies
- Environmental screening reports

Environmental authorisations

Policy and legislation mandate that public and private sector developers assess the potential impacts of their activities. As a global company, we ensure international best practice while being fully up to date with local statutory requirements. Our services include:

- Basic assessments (BAs)
- Environmental impact assessments (EIAs)
- Environmental and social impact assessments (ESIAs)
- Rectification applications – Section 24G
- Amendment applications for the above
- Environmental management plans (EMPs) and programmes (EMPrs)
- Institutional support – independent reviews and interpretations
- Water use license applications
- Integrated coastal management (ICM) processes in terms of the Integrated Coastal Management Act

Smartly fulfilling our clients' environmental obligations

Disaster management

Being prepared for natural disasters such as fires, floods, droughts or earthquakes before they occur results in avoiding, reducing or eliminating the associated risks. Importantly, responsible disaster management refers to actions required from organisations in response to unexpected events that adversely affect people or the environment. We assist our clients to have the most effective plans in place. Our services include:

- Disaster response – Section 30 emergency incident applications in terms of the NEMA (as amended)
- Environmental clean-up and rehabilitation plans
- Invasive species' management planning

Waste management

We offer waste management services to clients, including Government, mining, and the industrial and construction sectors. Our highly-trained team

provides a professional service and fulfills clients' local and international waste management obligations.

Our expertise includes:

- Waste license applications – in terms of the 2008 National Environmental Management Waste Act
- Development of integrated waste management plans
- Alternative-use assessments, such as re-use and recycling
- Integrated water and waste management plans

To acquire a license for a particular waste management activity, a developer has to demonstrate that impacts on the environment can be managed. This is largely achieved through an EIA, including EMP, in association with the public participation process.

Mining

A mine – whether in the process of opening, expanding, in full production, suspending operations or closing a facility – is faced with numerous environmental regulatory requirements. A multi-disciplinary approach is required when developing and managing the environmental aspects of mining projects. Our teams have the skill and professionalism to ensure mining permits and rights are obtained cost-effectively and timeously. Our services include:

- Prospecting right applications
- Mining right applications
- Mining permit applications
- Social and labour plans
- Mining work programmes
- Air quality management planning
- Biodiversity action plans
- Water use license applications
- Performance assessments (audits)
- Financial provisions
- Rehabilitation and mine closure plans

Monitoring and compliance

Environmental monitoring is one of the most effective tools to measure and improve environmental performance. Engaging an environmental control officer (ECO) is normally a requirement stipulated in the issued environmental authorisation.

By using an ECO, clients are assured that the environmental aspects and impacts are managed correctly and that recommendations are



implemented. The ECO ensures that a developer, and his contractors, comply with and implement specific environmental mitigation measures. The on-site presence of the ECO ensures ongoing environmental management and continued communication on performance with clients, authorities and other interested parties. Our services include:

- Legal compliance audits
- Full-time deployment of ECOs on site
- General environmental audits – including EMPr and EMP compliance audits
- EMPr implementation audits
- ISO 14001 pre-compliance audits based on the ISO 19011 auditing standards
- Auditing conditions as specified in environmental authorisations – including water use licenses, waste permits and heritage approvals

Coastal Management

Our integrated coastal and estuarine management services to public and private sector clients are based on the Integrated Coastal Management Act. We provide spatial planning solutions and undertake strategic coastal planning, coastal management research, translate national objectives and facilitate sustainable coastal development. Our local and international expertise includes:

- Coastal and estuary management plans as well as coastal management programmes
- Coastal & estuary EIAs as well as ecological assessments – including freshwater ecological assessments
- Training, capacity building, monitoring as well as other coastal management services

Social risk management

Inherent in every project is the need for people engagement, interaction, and assessment of social risks related to projects. Understanding the adaptability and vulnerability of people to development change is intrinsic to future planning. Our social impact services, delivered at pre-feasibility and feasibility stages of projects, assist project planners and implementers to plan and maintain sustainable options. Due diligence and auditing expertise is also offered at post-project level. Our services span the global compass and are offered

across a range of industry disciplines including mining, oil and gas, the agri-industry, textile and infrastructure including water, power, roads and health. The benefits of social risk management include:

- Guarding against unforeseen risks and impacts
- Improving financial and operational performance
- Gaining an international ‘stamp of approval’
- Providing projects with a ‘social license to operate’

Our specialised services include:

- Social impact assessments
- Social baseline assessments
- Socio-economic impact assessments
- Social auditing and due diligence assessments
- Stakeholder needs’ analyses
- Social and labour plans
- Resettlement planning – grievance management structures, consultation forums, inventories, full resettlement action plans
- International finance corporation (IFC) –related environmental and social impact assessments such as:
 - Public consultation and disclosure plans
 - Land acquisition and compensation plans
 - Community development plans
 - Community health and safety plans
 - Labour and human resources plans
 - Public and customer perception surveys



Smartly fulfilling our clients' environmental obligations



Public participation

The Constitution of South Africa as well as other national, provincial and local authority legislation requires administratively just, and procedurally fair, public consultation pertaining to all governance matters. In ensuring a transparent consultation process, public and stakeholder inputs into development proposals are maximised. We assist our clients by ensuring that these requirements are met. We specialise in linear development such as rail lines, bus rapid transport systems, power lines and major highways. Our services include:

- General facilitation
- Grassroots consultations
- Scheduling and management of open days, focus groups and public meetings
- Facilitation with respect to environmental-specific issues and other community participation services

Specialist, multi-disciplinary services

The cornerstone of all environmental assessments is specialist input provided by trained and experienced specialists from varying disciplines. The key value our specialists provide is to highlight significant areas where impacts and degradation can be expected due to the implementation of an activity or process. Input and assistance is provided to EIAs, management plan/ programme development as well as strategic plans which could affect the environment both positively and negatively. Our in-house specialist services include:

- Air quality assessments
- Noise assessments
- Geographic information systems (GIS) including sensitivity mapping GIS-based EMPs
- Avifaunal impact assessments
- Visual impact assessments
- Aquatic assessments
- Wetland delineations

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