



Personal Details

Date of Birth	14 August 1975
Nationality	South Africa
No. of Years' Experience	12
Current Employer	GA Environment (Pty) Ltd
Current Position	Principal Scientist

Academic Qualifications

Institution (Date from – Date to)	Degree (s) or Diploma (s)
University of KwaZulu Natal 2003 - Current	Master of Science: Geography
University of Fort Hare 1999	Bachelors Degree of Science (Honours): Geography
University of Fort Hare	Bachelors of Arts (Majors Geography, Development studies and English)
Lemana College of Education	National Teachers Diploma

Training:

SABS Training Centre	ISO 14001 (Module 2) Lead Auditors certificate – Obtained in October 2010 –
Aspects International Co (Institute of Environmental Management)	ISO 14001 Auditor Certificate - Obtained September 2005 –
UCT	Professional Communication Course: Modules in Business English and Report Writing, Presentation Skills and Powerpoint –(Sept 2005)

Corporate Overview

Ms. Nkhensani Khandlhela heads the project team and acts as the Project Manager for all phases of the project. Nkhensani holds a M.Sc. (Geographical Sciences). She is an Environmental Scientist with 12 years of experience. Nkhensani specialises in Integrated Environmental Management (IEM), Environmental Impact Assessments (EIAs), rural development, land use issues and socio-economic surveys. Nkhensani has been a project scientist for various EIA's in KwaZulu Natal, Eastern Cape, Mpumalanga and Gauteng provinces of South Africa. Nkhensani is currently a Project Manager and Environmental Scientist at GA Environment.



Previous Positions Held

Institution (Date from – Date to)	Position
GA Environment August 2015 – Current	Principal Scientist
Envirolution Consulting (Pty) Ltd June 2007 – July 2015	Project Manager and Scientist
GIBB (Pty) Ltd January 2003 – May 2007	Senior Environmental Scientist

Outline of Recent Assignments / Experience in terms of Environmental Projects

1. ENVIROOLUTION CONSULTING (PTY) LTD

June 2007 – July 2015

Senior Project Manager and Scientist

Responsibilities:

- Undertaking Waste Licensing Processes and Procedures in accordance with the National Environmental Management Waste Act of 2008
- Undertaking Water Use Licence Applications for various activities in accordance with the National Water Act of 2008
- Undertaking Environmental Auditing – conducting environmental audit according to the ISO14001 standards, Environmental Management Programs, Waste Licence and
- Obtaining Environmental authorisations for various sites
- Undertaking Public participation Process – identifying and communicating with Interested and Affected Parties during the Environmental Scoping Process and Conducting Public meetings
- Investigating Rural development and land use issues – conducting research in rural areas on rural road infrastructure, human activity and environment, land degradation and soil conservation techniques
- Undertaking Socio-economic surveys – conducting socio-economic surveys aimed at understanding demographics and livelihoods
- Report writing skills and presentation skills

Basic Assessment reports

- Basic Assessment Process for the proposed construction of Eskom Rhombus Lethabong Powerline and Substations Project responsibilities included undertaking a site visit, organising and providing terms of reference for various specialists, liaising with the key authorities,



preparation of Basic Assessment reports, undertaking public participation, specialist appointments and managements (Nov 2013 –January 2014)

- Basic Assessment Process for the proposed increase in capacity of the coal stockyard for Eskom Komati Power station. Project responsibilities included undertaking a site visit, organising and providing terms of reference for various specialists, liaising with the key authorities, preparation of Basic Assessment reports and Air Quality permit (March 2013 – July 2014).
- Basic Assessment Process for the proposed construction of Ntshona 132kV Powerline, West and Municipality, Gauteng. Project responsibilities included undertaking a site visit, organising and providing terms of reference for various specialists, liaising with the key authorities, preparation of Basic Assessment reports, undertaking and managing the public participation process (Sept 2012- Sept 2014).

Scoping and EIA reports

- Environmental Impact Assessment process for the proposed construction of Eskom Kookfontein 88kv powerline. Project responsibilities included undertaking a site visit, organising and providing terms of reference for various specialists, liaising with the key authorities, preparation of the Scoping and EIA reports, undertaking and managing the public participation process, (November 2011 – January 2013).
- Environmental Impact Assessment process for the proposed construction of Eskom Taunus Diepkloof 132KV powerline and substation in Soweto. Project responsibilities included undertaking a site visit, organising and providing terms of reference for various specialists, liaising with the key authorities, preparation of the Scoping and EIA reports, undertaking and managing the public participation process (April 2010 – November 2011)
- Environmental Impact Assessment process for the proposed construction of Eskom Hermes Dominion powerline and substation, near Klerksdorp. Project responsibilities included undertaking a site visit, organising and providing terms of reference for various specialists, liaising with the key authorities, preparation of the Scoping and EIA reports, undertaking and managing the public participation process
- Environmental Impact Assessment for mixed residential developments in the East Rand (Tsakane, Springs, and Wattville) Project scientist responsible for doing applications to the Environmental Authorities. Preparation of the Scoping and EIA Reports in accordance with the NEMA Environmental Regulations and other Relevant Legislation and Guidelines (October 2009 – February 2010)
- Environmental impacts assessment for the proposed tooling of the Ngwenya – Mbabane – Manzini Road (MR3). Envirolution Consulting was appointed by eco – MAN consultant on behalf of the Kingdom of Swaziland, Ministry of public works and Transport. Project Responsibilities include the review of the EIA phase public participation process documentation, in particular, addressing the comments from the Interested and Affected parties (October – January 2010).
- Environmental Impact Assessment for the closure of the rock waste dump at Matimba Power Station in Lephalale (July – December 2009). Project scientist responsible for the provision of the Basic Assessment Report, undertaking the public participation process, application for the closure licences with the Department of Water and Environmental Affairs including provincial authorities.



- Environmental Impact Assessment for the proposed construction of an Eskom General Landfill and Temporary Hazardous Waste Storage Facility in Lephalale, Limpopo province (2008 – 2009). Project responsibilities included undertaking a site visit, organising and providing terms of reference for various specialists, liaising with the key authorities, preparation of the Scoping and EIA reports, undertaking and managing the public participation process, application for the relevant licences with the Department of Water and Environmental Affairs including provincial authorities.
- Environmental and Social Impact Assessment (ESIA) for the Kalukundi Copper/Cobalt Mine Project Democratic Republic of Congo in January – August 2008. Envirolution Consulting was appointed by African Resources Limited (ARL) to undertake an ESIA including the provision of the Environmental and Social Management Plan (ESMP). The project was undertaken in line with requirements for the Congolese legislation and in terms of the requirements of international financial institutions (IFC and World Bank) that subscribe to the Equator Principles. Project Manager and Scientist responsible for organising the project team and specialists including outlining the terms of reference for each of the Specialists. Project also included the appointment of social specialists (ESF Social Consultants) from Nairobi.
- Environmental Impact Assessment for the proposed construction of a Delay Element Storage Facility at Sasol Nitro Site, Bronkhorstspuit (Authorised). Project scientist responsible for undertaking Scoping and EIA and producing a final scoping report and Final Environmental Impact Report in Accordance with the NEMA EIA Regulations, 2006 and other applicable legislation. Attended formal meetings with Sasol and other Environmental Authorities (2007 - 2008).
- Environmental Impact Assessment for the proposed Construction of a PETN Assembly Facility, Sasol Nitro Site, Bronkhorstspuit (Authorised). Project scientist responsible for undertaking Scoping and EIA and producing a final scoping report and Final Environmental Impact Report in Accordance with the NEMA EIA Regulations, 2006 and other applicable legislation. Attended formal meetings with Sasol and other Environmental Authorities (2007 – 2008)
- Environmental Impact Assessment for the proposed construction of a 400kv Transmission Powerline between Apollo and Lepini substations, Ekurhuleni Metropolitan Municipality (in progress). Responsibilities in the project included project Management, submission of application forms to DEAT, producing of a scoping and EIR report for and overhead powerline, identifying interested and affected parties and organising a public meeting (2007 – 2008)
- Environmental Impact Assessment for the proposed relocation of a BP filling station in Marble Hall, Limpopo province (Authorised). Tasks included project Management, submission of application forms to DEAT, producing of a scoping and EIR report and management of the public participation process (2007 – 2008)
- Environmental Impact Assessment for the proposed increase in capacity of the Driefontein Waste Water Treatment Works, Johannesburg (awaiting authorisation). Project scientist responsible for undertaking Scoping and EIA and producing a final scoping report and Final Environmental Impact Report in accordance with the NEMA EIA Regulations, 2006 and other applicable legislation. Managing the Public Participation Process including formal presentation during public meetings (2007 – 2008)
- Environmental Impact Assessment for proposed construction of an inlet pipeline and a drying bed at the Northern Waste Water Treatment Works, Johannesburg (awaiting authorisation). Project scientist responsible for undertaking Scoping and EIA and producing a final scoping



report and Final Environmental Impact Report in accordance with the NEMA EIA Regulations, 2006 and other applicable legislation. Managing the Public Participation Process including formal presentation during public meetings (2007 -2008).

Waste Licence Applications:

- Waste Licence and Environmental Impact Assessment process for the proposed upgrade of Sebokeng and Rietfontein Waste Water Treatment Works. .Project responsibilities included undertaking a site visit, organising and providing terms of reference for various specialists, liaising with the key authorities, preparation of the Scoping and EIA reports, undertaking and managing the public participation process (April 2011 – todate).
- Waste Licence and Basic Assessment process for the proposed upgrade of Eskom Lethabo a site visit, powerstation Waste Water Works and closure of the landfill. Project responsibilities included undertaking organising and providing terms of reference for various specialists, liaising with the key authorities, preparation of the Scoping and EIA reports, undertaking and managing the public participation process, (May 2011 – todate).

Water use Licence Applications

- Water Use Licence Application for the proposed residential development at Fleurhof, Project responsibilities included undertaking a site visit, liaising with the key authorities, preparation of the WUL technical reports, undertaking and managing the public participation process (Sept 2012 - todate).
- Water Use Licence Application for the proposed Eskom Komati Power station Storage area. Project responsibilities included undertaking a site visit, liaising with the key authorities, preparation of the WUL technical reports, undertaking and managing the public participation process (March 2012 - todate)
- Water Use Licence Application for the proposed Quattro Transmission substation in Soweto. Project responsibilities included undertaking a site visit, liaising with the key authorities, preparation of the WUL technical reports, undertaking and managing the public participation process (November 2012 - todate).

Environmental Auditing

- Bi annual External Environmental audit of the Record of decision, Construction Environmental Management Plan, IFC Performance Standards for the construction of Eskom Kusile 5400MW coal fired power station in Mpumalanga (CEMP). Responsibilities include the review of the CEMP, Waste Licence condition, and preparation of the checklist, report finalisation and presentation of audit findings as per the IFC requirements (2009 - September 2013).
- Annual Environmental audit of the Construction Environmental Management Plan (CEMP), Waste Licence for the Eskom Matimba Temporary Hazardous Storage Facility and the Waste Rock Dump, Lephalale. Responsibilities include the review of the CEMP, Waste Licence condition, preparation of the checklist, report finalisation and presentation of audit findings (May 2013).



- Monthly Environmental audit of the Construction Environmental Management Plan (CEMP) and the Record of Decision (RoD) for the Construction of various (3) Eskom Distribution powerline (Midrand, Westonaria and Lichtenburg). Responsibilities include the review of the CEMP and RoD, preparation of the checklist, report finalisation and presentation of audit findings (September 2010 – Feb 2011).
- Quarterly Environmental audit of the Construction Environmental Management Plan and the Record of Decision for the Construction of the Eskom Generation Ingula (Braamhoek) Pumped Storage Scheme (current – 2014). Responsibilities include undertaking a two day audit under supervision of a SAATCA registered auditor, report writing and presentation of findings.
- Environmental Audit for the construction of 19 loops to accommodate the increase in the ore export capacity of the Sishen – Saldanha Railway Line to 93 Million Tonnes Per Annum

2. ARCUS GIBB (PTY) LTD (CURRENTLY KNOWN AS GIBB)

January 2004 – May 2007

Junior Environmental Scientist

Projects and responsibilities included:

- Environmental Impact Assessment for the proposed Ottawa-Tongaat overhead electricity transmission lines and associated substations. Project scientist responsible for undertaking a preliminary EIA and producing a final scoping report for eThekweni Municipality. Attended formal meetings with the eThekweni Municipality and Environmental Authorities.
- Environmental Scoping Study for a low cost housing development at KwaHlathi, KwaZulu-Natal (in progress). Project scientist responsible for doing applications to the Environmental Authorities. Preparation of EIA Report in accordance with the Relevant Legislation and Guidelines.
- Environmental Impact Assessment Exemption Application for the proposed Maydon Wharf diesel storage facility at the South African Port Operations. Project scientist responsible for doing exemption application to the Environmental Authorities and compiling of Background Information Document of the project.
- Environmental Impact Assessment for the proposed Port of Durban entrance channel widening and deepening. Assistance with public participation process that included liaison with interested and affected parties.
- Environmental Scoping for a proposed 90km of Eskom 132 kV Powerline between Zimbane (Umtata) and Dumasi (Lusikisiki). Project scientist solely responsible for undertaking a preliminary EIA and producing a report for a 90 km section of this overhead powerline. Work included a walkover and helicopter survey along the proposed route to identify the main environmental impacts likely to result from the project, and propose appropriate mitigation measures to reduce the main adverse environmental impacts. Scope of work also included liaison with interested and affected parties and organising a public participation process. Assisted with the compiling of Scoping Report for submission to the Authorities.
- Environmental Scoping for a new Eskom 10 MVA 132/22 kV substation and 2 x 300 m of 132 kV powerline in Flagstaff. Responsibilities in the project included undertaking a preliminary EIA and producing of a scoping report for the substation and overhead powerline, identifying interested and affected parties and organising a public meeting.



- Environmental Impact Assessment for the proposed construction of Eskom Haven/ Cwebe 22kV Overhead Powerline. Project scientist responsible for undertaking a preliminary EIA and producing a draft scoping report for Eskom.
- Environmental Impact Assessment and Land Acquisition for the Proposed Buffalo City Municipality Waste Transfer Station. Responsibilities in the project include compiling an Environmental Impact Statement a database for the Public Participation Process. Other duties include producing a detailed land acquisition report for Buffalo City Municipality.
- Environmental Impact Assessment and Land Acquisition for the proposed Buffalo City Municipality Waste Transfer Station. Responsibilities in the project include compiling an Environmental Impact Statement a database for the Public Participation Process. Other duties include producing a detailed land acquisition report for Buffalo City Municipality.
- Environmental Impact Assessment for the proposed construction of Phoenix Wastewater Treatment Works. Project responsibilities include undertaking a preliminary EIA, conducting a public participation process and producing an Environmental Scoping Report for eThekweni Wastewater Management Unit. Project also involve production of the Environmental Management Plan.
- Environmental Impact Assessment for the proposed Widening of the Lower Umgeni River in Springfield Park, Durban. Responsibilities in the project included undertaking a preliminary EIA and producing of a scoping report for the river widening, identifying interested and affected parties and organising a public meeting and a key Stakeholder Workshop. Project also included assisting eThekweni with the Application of the Licensing permit for the proposed alteration of the Umgeni River from the National Department of Water Affairs.
- Environmental Impact Assessment for the proposed construction of the elevated water tank tower at Mophela Area – Hammarsdale. Responsibilities in the project included undertaking a preliminary EIA and producing of a scoping report for the water tank, identifying interested and affected parties and organising a public meeting and also involve the production of an Environmental Management Plan.
- Environmental Impact Assessment for the proposed construction of the Sub-aqueous Pedestrian Tunnel in the Durban Port Entrance channel.
- Environmental Impact Assessment of the proposed construction of medium density townhouse complexes in Brentwood Park, Benoni. Responsibilities in the project included undertaking a preliminary EIA and producing of a scoping report for the proposed housing development, identifying and communication with interested and affected parties.
- Exemption Application of the proposed construction of town house complex in Newmarket, Alberton. Responsibilities in the project included undertaking EIA Exemption Application and producing of an exemption report for the proposed housing development, identifying and communication interested and affected parties.
- Liaison with Gauteng Department of Agriculture, Conservation and Environment to determine the legislative requirements for the proposed construction of a commercial development in Birch Arces Extension 36, Kempton Park.
- Compilation of the Environmental Management Plan for the proposed Residential Township in Northmead, Rynfield and Benoni.
- Compilation and provision of a Generic Environmental Management Plan for use in the construction phase of all current and future projects for Property Hunt (Pty) Ltd.



- Environmental Impact Assessment of the proposed construction of a Metro Boulevard (in progress). Responsibilities in the project included undertaking a preliminary EIA and identifying and communication with interested and affected parties.
- Provision of Environmental Control Services for the proposed construction of medium-cost residential units near Kelvin Power Station, on Erven 883 and 884, Spartan Extension 26 in Kempton Park. Project responsibilities will include monitoring the construction activities at the proposed construction site, undertaking regular site inspections and prepare monthly reports/checklists.
- Environmental Impact Assessment for the proposed construction of the Metro Boulevard (PWV 10). Responsibilities in the project included.

3. Assistant Administrator, University of Natal (Pietermaritzburg) June 2003 to Dec 2004

Duties included:

- Providing general administration to student information and systems office
- Generating and processing academic records from archived records
- Assisting with capturing student data
- Assisting with verifying student status - MRI, banks, employment agencies
- Preparation and distribution of student packages
- Confirmation of student registration status to external organisation

4. Graduate Demonstrator & Tutor, University of Natal (Pietermaritzburg) April 02 to Dec 03

Duties included:

Conducting undergraduate practical

- Marking undergraduate academic tasks
- Participating in departmental fieldtrips

5. Assistant Fieldwork and Researcher, Department of Water Affairs, KwaZulu-Natal and Eastern Cape April 2000

Responsible for identifying environmental problems related to wetland rehabilitation in rural areas

6. Community Development Worker, Akanani Rural Development (NGO), April 1992 to Nov 1994

- Responsible for educating rural communities about health, social and economic issues

7. Student Teacher, Lemana College of Education, Feb 1992 to 1994



GA Environment

Curriculum Vitae

Nkhensani Khandlhela

Duties included:

- Organising and teaching matriculates during winter school
- Participating in adult literacy projects

Duties included:

- Providing general administration to student information and systems office
 - Generating and processing academic records from archived records
 - Assisting with capturing student data
 - Assisting with verifying student status - MRI, banks, employment agencies
 - Preparation and distribution of student packages
 - Confirmation of student registration status to external organisation
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