# Profile Summary

Nonkanyiso Zungu is a Professional Natural Scientist (Pr.Sci.Nat) with 10 years’ experience in the environmental field. She has a Masters Degree in Environmental Management, and specializes on Water Resource Management.

Nonkanyiso has extensive experience in water resource management, waste management, and obtaining environmental authorisations (air, water, waste) across sectors that include: power generation, infrastructure (Construction), transportation (rail), waste disposal, water purification & sewage works. The projects she has undertaken include: Environmental Impact Assessments, Basic Assessments, Environmental Feasibility Studies, Environmental scoping studies, Environmental legal compliance audits, Waste management licences, Water use licences, and Baseline risk assessments.

Nonkanyiso Zungu is a Health & Safety and Environmental (SHE) auditor and is knowledgeable on internal integrated SHEQ auditing. She has experience on development and implementation of ISO 14001: 2004 management system and undertaking internal audits.

Nonkanyiso is also a wetland specialist with experience in wetland delineation, determination of present ecological status, ecological importance and sensitivity evaluations, and wetland rehabilitation planning using packages that include Wet-Health, Wet-EcoServices, and Wet-RehabEvaluate.

# Education

|  |  |  |
| --- | --- | --- |
| Institution | Year | Degree Obtained |
| University of Pretoria | 2011 | MSc. Environmental Management  |
| University of KwaZulu-Natal | 2005 | BSc. Honours, Ecology |
| University of KwaZulu-Natal | 2003 | BSc. Biological Sciences |

# Professional Registrations

* South African Council for Natural Scientific Professions (SACNASP, Pr. Nat. Sci. (Practice no. 400194/10): Ecological Science
* Member of the Gauteng Wetland Task Group
* Member of WISA (Gauteng Region)

# Short Courses

* ISO 14001 IMPLEMENTATION AND INTERNAL AUDITING
* ISO 18001 IMPLEMENTATION AND INTERNAL AUDITING
* ISO 9001 IMPLEMENTATION AND INTERNAL AUDITING
* LEAD AUDITING (SAATCA)
* INCIDENT AND ACCIDENT INVESTIGATIONS
* QUALIFIED WETLAND ASSESSMENT PACTITIONER (WET-HEALTH; WET IHI, SPATSIM)
* ESRI GIS MAPPING, ARCMAP 10

# Key Skills

* ISO 14001: 2004 internal auditing
* Legal compliance auditing
* Wetland delineation and assessment
* Environmental Impact Assessment
* Basic Assessments
* Feasibility Studies (Fatal flaw analysis)

# Employment History

2014 – Current SAZI Environmental Consulting cc

2011 - 2014 Sebata Group of Companies

2009 - 2011 Department of Water Affairs

2007 - 2009 Wetland Consulting Services

2005 - 2006 University of KwaZulu-Natal (Maluti Transfontier Conservation Program)

2004 – 2005 University of KwaZulu-Natal (Welgevonden Elephant Program)

# Project Experience

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PROJCET NAME** | **YEAR** | **RESPONSIBILITY** | **CONTACT DETAILS** | **REFERENCE NUMBER** |
| **ENVIRONMENTAL IMPACT ASSESSMENT/ EMP/ BA PROJECTS** |
| Basic Assessment for the construction of the Rand Water 210ML reservoir future planned 200ML reservoir in Vlakfontein | 2015 | Environmental Impact Assessment Practitioner.  | Company: Rand WaterContact: Luzuko KalimasheTel: 078 6590462 |  |
| Basic Assessment for the proposed construction of Rand Water 200ML reservoir in Brakpan.  | 2015 | Environmental Assessment Practitioner | Company: Rand WaterContact: Thokozani MasilelaTel: 072 495 0097 |  |
| Basic Assessment:Proposed construction of culvert upgrade works and sewer pipeline crossing through a watercourse, Eskom Holdings SOC Ltd. Ingula Pumped Storage Scheme | 2014 | * Environmental Assessment Practitioner
* Project Management
 | Company: Eskom Ingula Pumped Storage SchemeContact: Marcel MesoTel: 036 342 3031 | Ref: 14/12/16/3/3/1/1019 |
| Waste Management Licence Application for the Eskom Witbank Clinker Ash Dump  | 2013-2014 | * Environmental Assessment Practitioner
 | Company: Eskom SHE Management DivisionContact: Gabriel NgorimaTel: 076 9014006 |  |
| Eskom Academy of Learning Feasibility study for a Waste Treatment Plant | 2013  | * Project Management/EAP
 | Company: Eskom Real Estate DivisionContact: Chinga GwizaTel: 083 7626030 |  |
| PKX Cableway Environmental Impact Assessment: Scoping study | 2013 | * Scoping report: environmental feasibility of the Cableway Development
 | Company: ArupContact: Shupikai ChihuriTel: 011 2187600 |  |
| Eskom Witbank Clinker Ash Dump Pre-feasibility Study | 2011 - 2012 | * Project Management
* Review of environmental specialist technical reports
* Consolidation of technical reports and presenting feasibility of the project to the client.
 | Company: Eskom SHE Management DivisionContact: Gabriel NgorimaTel: 076 9014006 |  |
| Environmental Impact Assessment for proposed coal mining activities: Mining Environmental Management Plan | 2012 | * Environmental Assessment Practitioner
* Project Management
 | Company: Silver Unicorn TradingContact: Bonginkosi Curnick NjekeTel: 082 464 6489 |  |
| **WETLAND ASSESSMENTS** |
| City Of Johannesburg Wetland Rehabilitation Plan For The Braamfonteinspruit, Kyalami, And Natalspruit Management Units:Draft Report | 2015-In Progress | * Wetland Assessment
* PES and EIS description
* Wetland classification
 | Company: Headwaters water and environmental consultantContact Person: Lekau Hlabolwa Tel: 079 703 8487 |  |
| Blesboklaagte wetland delineation and assessment for the proposed Eyethu Coal mining activities, Middleburg, Mpumalanga | 2015  | * Wetland Assessment
* PES and EIS description
* Wetland classification
 | Company: Geovicon Environmental (Pty) LtdContact: Riana Tel: 082 4981847 |  |
| Watercourse Assessment Report For The Proposed Construction of a 15km 50kV Power Line From Eskom Helios Substation To The Proposed New Transnet Helios Traction Feeder Substation | 2015 | * Watercourse assessment
 | Company: Nsovo Environmental consultingContact Person: Munyadziwa RikhotsoTel: 071602 2369 |  |
| Nietgedacht Wetland Delineation And Assessment Report | 2015 | * Wetland Assessment
* PES and EIS Description
* Wetland Classification
 | Company: Phuka Tsa NongContact Person: KeleTel: 0834785753 |  |
| Wetland Delineation And Assessment Report For The Proposed Development Of An Eskom Straatdrift Madikwe 22 Kv Powerline | 2015 | * Wetland Assessment
* PES and EIS Description
* Wetland Classification
 | Company: Baagi Environmental Consulting Contact person: Marita OosthuizenTel: 082 378 4903 |  |
| Wetland Assessment Report For The Bredell Wetland In Kempton Park, Gauteng Province | 2015 | * Wetland Assessment
* PES and EIS description
* Wetland classification
 | Company: Watercube Services: Molefe MorokaneContact Person:Tel: 076 806 4293 |  |
| Wetland Delineation And Assessment Report For The Proposed Development Of A Retirement Center And Bridge Construction Activities In Montana Tuine Ext 49 & 50 In Pretoria | 2015 | * Wetland Assessment
* PES and EIS description
* Wetland classification
 | Company: Central DevelopmentContact Person: Pierre ReynekeEmail: pierrer@centraldev.co.za |  |
| Transhex Operations (Pty) Ltd wetland delineation and assessment report for the proposed diamond mining operations between Baken and Reuning, Northern Cape Province | 2015 | * Wetland Assessment
* PES and EIS description
* Wetland classification
 | Company: EnvirobroContact Person: Nndangi MusekeneTel: 072 748 0292 |  |
| Wetland delineation and assessment for Eyethu Coal mining activities, Middleburg, Mpumalanga | 2015 | * Wetland Assessment
* PES and EIS description
* Wetland classification
 | Company: Geovicon Environmental (Pty) LtdContact: Tshepo ShakwaneTel: 082 4981847 |  |
| Wetland Delineation and Assessment Report for the Proposed Eskom 400kv Transmission Line From Ariadne to Venus Substations in Kwazulu-Natal Province.  | 2014 | * Wetland Assessment
* PES and EIS description
* Wetland classification
* Water Use licence Application
 | Company: DIGESContact Person: Brenda MakanzaTel: 082 075 6685 |  |
| Randwater M11 pipeline wetland delineation and assessment, Gauteng Province | 2014 | * Wetland Assessment
* PES and EIS description
* Wetland classification
 | Company: Asande ProjectsContact Person: Grace MagayaTel: 081 494 1611 |  |
| Wetland delineation and assessment for the proposed Dithakwaneng bridge construction, North-West Province | 2014 | * Wetland Assessment
* PES and EIS description
* Wetland classification
 | Company: Southern Hills Engineering (Pty) LtdContact Person: Johnson MatangiTel: 084 663 8199 |  |
| Ongezien Wetland assessment, Witbank Mpumalanga Province | 2013 | * Wetland Assessment
* PES and EIS description
* Wetland classification
 | Company: Silver Unicorn TradingContact Person: Bonginkosi NjekeTel: on request |  |
| Leeuwfontein wetland assessment | 2013 | * Wetland Assessment
* PES and EIS description
* Wetland classification
 | Company: Geovicon Environmental (Pty) LtdContact: Tshepo ShakwaneTel: 082 4981847 |  |
| Platreef-Borutho wetland assessment, Limpopo Province | 2013 | * Wetland Assessment
* PES and EIS description
* Wetland classification
 | Company: Nzumbululo Heritage SolutionsContact Person: Nonhlanhla NcubeTel: on request |  |
| Duvha-Minerva Transmission line wetland assessment and WULA | 2013 | Wetland assessment and water use licence application | Company: Nzumbululo Heritage SolutionsContact Person: Nonhlanhla NcubeTel: on request |  |
| Rockdale-Marble hall transmission line wetland assessment and WULA | 2013 | Wetland assessment and water use licence application | Company: Nzumbululo Heritage SolutionsContact Person: Nonhlanhla NcubeTel: 015 291 3661 |  |
| * Protea Glen wetland function assessment study.
 | 2011 | * Wetland assessment
* PES and EIS description
* Wetland classification
 | Company: Wetland Consulting ServicesContact Person: Bhuti DlaminiTel: on request |  |
| Randwater Pipeline wetland assessment  | 2011 | * Wetland assessment
* PES and EIS description
* Wetland classification
 | Company: Asande ProjectsContact Person: Joshua OluokunTel: 073 4068051 |  |
| **ECOLOGICAL ASSESSMENTS (FAUNA AND FLORA)** |  |
| Ecological Assessment Report For The Proposed Tweedracht 5.5km 88 Kv Power Line Development | 2015 | Flora and Fauna Assessments | Company: Nsovo environmental consultinContact person: Munyadziwa RikhotsoTel: 071602 2369 |  |
| Ecological Assessment Report For The Construction Of An Additional 200ml Rand Water Reservoir In Meredale | 2015 | Flora and Fauna Assessments | Company: Asande projectsContact person: Avhutetshelwi MashauTel: 011 315 6794 |  |
| Ecological Assessment Report For The Proposed Rand Water Additional 200ml Reservoir In Brakpan, East Rand, Gauteng Province | 2015 | Flora and Fauna Assessments | Company: Rand WaterContact Person: Thokozani MasilelaTel: 011 724 9140 |  |
| Ecological Assessment Report For The The Proposed Replacement Of Both The Existing A6 And A8 Pipelines With Two New Pipes (One Pipe At A Time) Running From Vereeniging Pumping Station To Zwartlopjes Pump Station With A Length Of 44 Km And A Diameter Of 1300 | 2015 | Flora and Fauna Assessments | Company: Asande projectsContact person: Rolivhuwa NemakondeTel: 011 315 6794 |  |
| Ecological Assessment Report For The Construction Of The Rand Water Additional 210ml And Future Planned 200ml Reservoir On Vlakfontein Farm 69ir, Crystal Park, Ekurhuleni Metropolitan Municipality | 2015 | Flora and Fauna Assessment | Comapany: Rand WaterContact Person: Luzuko KalimasheTel: 083 4250 455 |  |
| Ecological Assessment For The Construction And Maintenance Of The Rand Water 17, 5km H43 Pipeline With An Internal Diameter Of 1200mm, And It’s Associated Structure (Valve Chambers And Cathodic Protection) Between Graham Street, Centurion And Lyttelton, Gauteng Province | 2015 | Flora and Fauna Assessment | Company: Asande projectsContact person: Faith ChigwanhireTel: 011 315 6794 |  |
| Randwater Brakpan Reservoir to Selcourt Reservoir M 11 Pipeline Fauna And Flora Assessment | 2014 | Flora and Fauna Assessments | Company: Asande ProjectsContact Person: Freddy MilamboTel: 074 181 8292 |  |
| **COMPLIANCE AUDITS** |  |
| Universal Coal and Energy (Pty) Ltd: Kangala Coal Mine External Water Use Licence Audit | June 2015 | Lead auditor | Company: Universal Coal and Energy (Pty) Ltd: Kangala Coal Mine Contact person: Lekau HlabolwaTel: 079 7038487 | 04/B20A/ABCGIJ/1506 |
| THABA CRONIMET ANNUAL INTEGRATED WATER USE LICENCE AUDIT | June 2015 | Lead Auditor | Company: Thaba Cronimet (Pty)LtdContact person: Lekau HlabolwaTel: 079 7038487 | 03/A24F/ACGIJ |
| GLENCORE WONDERKOP SMELTER EXTERNAL WASTE MANAGEMENT LICENCE AUDIT | May 2015 | Lead auditor | Company: GlencoreContact person: Bertha MohapiTel: 014 572 0393 | No. 12/9/11/L510/7 |
| THABA CRONIMET ANNUAL INTEGRATED WATER USE LICENCE AUDIT | August 2014 | Lead Auditor | Company: Thaba Cronimet (Pty)LtdContact person: Lekau HlabolwaTel: 079 7038487 | 03/A24F/ACGIJ |
| Eskom Tutuka Power Station ISO14001:2004 Internal Audit  | December 2014 | Lead auditor | Company: EnvirobroContact person: Nndangi MusekeneTel: 072 748 0292 |  |
| Sebata Group ISO 14001: 2004 development and implementation | 2013-2014 | ISO 14001:2004 Implementation and internal auditing | SEBATA General manager: SHEMr McDonald MutsvangwaContact: 0100600355 |  |
| Kusile water use licence quarterly audits | 2013 – 2014 (quarterly for 12 months) | Lead auditor/wetland specialist | Company: Kusile Power stationContact person: Siphiwe MahlanguTel: 013 699 7097 | No.: 04/B20F/CI/2235 |
| Transnet incident management | 2013 | Accident and Incident Management | Company Name: Isivuvu Technical SolutionsContact Person: Nhlanhla MaphalalaTel: 073 417 0438 |  |
| ZUFI Engineering safety systems audit | 2013 | OHSA 18001 audit | Company Name: ZUFI EngineeringContact Person: Sikholiwe ZunguTel: 084 475 0509 |  |
| **WATER USE LICENCE APPLICATIONS** |  |
| Construction of an Additional Rand Water 210ml Reservoir On Vlakfontein 69ir Farm In Crystal Park, Ekurhuleni Metropolitan Municipality, Gauteng Province | 2015 – in progress | EAP and project manager | Company: Rand WaterContact Person: Thokozani MasilelaTel: 0720495 0097 | 14/12/16/3/3/1/1431 |
| Construction of a Rand Water 200ml Reservoir In Brakpan, Ekurhuleni Metropolitan Municipality, Gauteng Province | 2015 – in progress | EAP and project manager | Company: Rand WaterContact Person: Thokozani MasilelaTel: 0720495 0097 | 14/12/16/3/3/1/1423 |
| Proposed Eskom 400kv Transmission Line From Ariadne to Venus Substations in Kwazulu-Natal Province: Water Use Licence Application | 2014 – 2015 | EAP and project manager | Company: DIGESContact Person: Brenda MakanzaTel: 082 075 6685 | 12/12/20/1755 |
| Duvha-Minerva 400kv Powerline deviation water use licence application | 2013 | EAP and project management | Company: Eskom TransmissionContact: Vuledzani ThanyaneTel: 011 800 5601Ref: 16/2/7/B100/C983 | 16/2/7/B100/C983 |
| Water Use Licence for the construction of the Rockdale to Wolwekraal 400kv powerline and associated secondary infrastructure, Mpumalanga and Limpopo Provinces | 2013 | EAP and project management | Company: Eskom TransmissionContact: Vuledzani ThanyaneTel: 011 800 5601Ref: 16/2/7/B300/B03 | 12/12/20/1340 |