

CURRICULUM VITAE

of

Aphelele Tomsana *MSc. EnvMan | Pr. Sci. Nat./MWISA*

Professional Registration: Professional Natural Scientist

Specialisation: Environmental Science/ Management

[REDACTED]

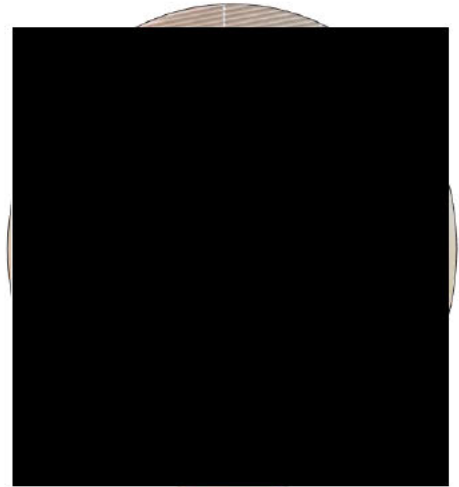
[REDACTED]

Contact numbers: [REDACTED]

Private email address: [REDACTED]

Current Job Description: Environmental Specialist

Employer: Transnet National Port Authority (TNPA)



TERTIARY HIGHER EDUCATION (Current Study)

January 2020 – in Progress (2025) University of Fort Hare (UFH) East London, South Africa

- **The Degree:** Bachelor of Laws (LLB (Hons)).
- Anticipated completion (December 2025).
- Currently 4th Year Student.
- Number of modules left to complete the course: Four (4).
- **Transcript:** attached

HIGHEST TERTIARY EDUCATION – (Completed)

November / 2018 Cape Peninsula University of Technology (CPUT) Cape Town, South Africa

- **The Degree:** Master of Environmental Management
- **Research Dissertation:** “An analysis of environmental obligations and liabilities of the Eskom Distribution Division to improve ecologically sustainable development”
- **Course Modules:**
Sustainability & Environmental Law, Air Quality Management, Environmental Chemistry, Tools for Sustainable Development, Water & Sanitation, Urbanization & Development, Environmental Management Systems (ISO14001), Environmental Resource Economics, Environmental Risk Assessment (ISO31001), Research & Advance Data Analysis.

December 2011 Cape Peninsula University of Technology (CPUT) Cape Town, South Africa

- **The Degree Baccalaureus Technologiae: Environmental Management**
- **Research Title:** “The causes of water contamination and its impacts on water quality in the Liesbeeck River, Western Cape, South Africa”
- **Course Modules:**
Atmospheric Chemistry, Climatology & Environmental Law, Water Quality Management, Environmental Chemistry, Environmental Geohydrology, Geotechnology (Geographic Information System), Environmental Technology and Environmental Management & Waste Management.

December 2010 Cape Peninsula University of Technology (CPUT) Cape Town, South Africa

- **The Degree: National Diploma: Environmental Management**
- Course work (transcript available on request)

November 2005 Ikamvalethu Secondary School Cape Town, South Africa

- **Matric/ Grade 12: National Senior Certificate**
- English, IsiXhosa,
- Mathematics, Biology,
- Physical Science & Geography.

Scientific Peer-reviewed Journal Article Publication

- **Publisher:** Springer Nature Switzerland AG in Switzerland
- **Research Article:** An analysis of environmental obligations and liabilities of an electricity distribution company to improve sustainable development.
- **Date of Publication:** 09 September 2020
- **Article Springer Link:** <https://rdcu.be/b6Z5R>
- **Current Citation** – Cited by ten (15) researchers worldwide in countries such as South Africa, Slovenia, Nigeria, Malaysia, Bolivar-Ecuador, Singapore, Czech Republic, Poland, etc.

[An analysis of environmental obligations and liabilities of an electricity distribution company to improve sustainable development](#) [PDF] [springer.com](#)

A Tomsana, EF Itoba-Tombo, IS Human - SN Applied Sciences, 2020 - Springer

Concerns for the environment and the desire to secure sustainable development are often too difficult to achieve considering the pressure put on natural environment. Worldwide, ...

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Academic Journals Peer-reviewed (*Ad Hoc*)– on Behalf of SAAPAM (August 2025)

Publisher: South African Association of Public Administration & Management (SAAPAM)

- Advancing Health Integration in Environmental Impact Assessments: Lessons from the Free State Province, South Africa.
- Challenges facing municipalities in accounting for sustainable development in water services in South Africa: a case of Lephalale local municipality in Limpopo province.
- Breaking down silos, building synergy: the single public service initiative and South Africa's 30-year quest for collaborative governance.

Unpublished Research (2011)

- Mini-Dissertation researcher: The causes of water contamination and its impacts on water quality in the Liesbeeck River, Western Cape, South Africa in November 2011.

Research Paper Presented in a Conference (2018)

- **Host:** Cape Peninsula University of Technology, Cape Town
- **Article:** An analysis of environmental obligations and liabilities of an electricity distribution company to improve sustainable development.
- **Conference:** 6th International Conference
- **Theme:** Research, Innovation & Technology for African Development
- **Date:** 4-6 September 2018

Work Experience

December 2023 – to date

Transnet National Port Authority (TNPA)

Cape Town, Western
Region, South Africa

Current Job Description: Environmental Specialist

- Oversee & manage the Environmental Impact Assessments (EIAs) and other environmental approval processes for all assigned projects.
- Undertake environmental legal compliance and auditing for Special Project and Project Delivery Units.
- Monitor compliance with Environmental Authorizations (EA), EMPr, Permits conditions during & post projects implementation.
- Partake in Strategic Environmental Assessment Work group for mega projects dealing with Climate Change adaptation, Environmental Impact Assessment, etc.).
- Legal research, comment on new environmental law & compile environmental legal opinions for projects when required.
- Ensure compliance with environmental legal requirements & provide service providers needed info to conduct environmental assessment of the proposed development.
- Coordinate & facilitate external environmental audits or authority inspection on projects under execution.
- Facilitate communication & engagement with internal & external stakeholders during environmental processes and enable informed decision-making processes.
- Act as an interested and affected Party on behalf of the employer to raise and resolve environmental issues.
- Implement environmental requirements of the Project Lifecycle Process.
- Provide environmental specifications into NECs, Tender evaluation, develop environmental criteria and adjudication thereof.
- Draft TOR & quality criteria for the appointment of environmental consultants to perform environmental work.
- Review proposals, appoint and manage contract of appointed service providers & timeously obtain required deliverables within budget and quality requirements in accord with procurement protocols.
- Estimate budgetary requirements for services to be procured.
- Provide detailed comments on all relevant studies, development feasible alternatives & documents prior & during environmental assessment processes.
- Provide input on all assigned projects for communication to project teams and other relevant stakeholders.
- Review all reports from the environmental officer, including sign off on monthly inspections and method statements.
- Develop training programmes and other environmental awareness initiatives within the area of responsibility.

- Provide assurance on environmental performance by conducting audits through random sampling and in accordance with Transnet's protocols.
- Provide necessary input to support systems, reporting, and implementation of all systems on all projects.
- Conduct any environmental incident investigation.
- Provide environmental support to the Project Manager, Construction manager & Environmental officer during the construction phase.
- Ensure all relevant documentations compiled during environmental assessment processes are adequately maintained in accordance with document control procedures and handed over to the end user when required.

September 2012 – November 2023 Eskom Holdings SOC Ltd Eastern Cape, Free State & Western Cape, South Africa

Previous Job Description: Environmental Management Officer (Sep 2014 – Nov-2023) and Graduate in Training (Sep-2012 to Aug 2014)

- Research and ensure compliance with environmental legislative and government requirements of the designated area of the business through the implementation of compliance obligation measures.
- Establish and monitor implementation of Environmental Management Programmes, Audit Program, analyze audit findings and provide root cause analysis, corrective, and preventative actions.
- Establish, Implement, Monitor and Continual improvement Environmental Management Systems to ensure ISO14001 accreditation certification and obtained and maintenance for the distribution division in accordance with ISO14001: 2015.
- Establish, Implement, Monitor and Continual Improve Environmental Management Systems dashboard to enhance performance reporting and inform management review.
- Establish, monitor implementation of Environmental Management Plans (Auditing and monitoring the compliance to environmental approvals and Environmental Management Programme, review and update environmental management plans through life cycle approach.
- Undertake environmental legal compliance and auditing for construction projects.
- Implementing environmental guidelines and method statement for construction, operational and maintenance. Preparing and providing feedback to interested parties as per the conditions of relevant environmental approvals. Auditing and monitoring the compliance to environmental approvals and associated conditions of approval, Environmental Management Programme and issuing Non-conformances for deviations.
- Reviewing and updating the environmental management plans throughout the life cycle of the applicable infrastructure.
- Execute the process of obtaining Environmental Approvals or Permits (Atmospheric Emissions Licence, Tree cutting, Waste Disposal License, Water Use License, etc.).
- Developing Key Performance Areas (KPAs) Key Performance Indicators (KPIs) and track fulfilment of targets for enhanced environmental performance of business units.

- Perform Environmental Investigations (Investigate, capture environmental incidents, and manage according to the SAP EH&S Incident Management Process Control Manual and Procedures, and perform environmental risk assessment and environmental due diligence assessment to make informed decisions.
- Ensuring that recommendations and lessons learned are implemented and communicated to mitigate the risk and prevent recurrence. Performing Environmental Risk Assessments and environmental due diligence assessment to enable informed decision making.
- Auditing Management systems based on International Standardization Organization (ISO) 19011: 2018 Guidelines for auditing management system auditing and ISO 17021 Conformity assessment - Requirements for bodies providing audit and certification of management systems.
- Draft environmental specifications for tender submissions, evaluate tender applications, auditing, and monitoring of the work by both external and internal contractors.
- Leadership, Coaching and Mentoring Environmental Practitioners (Graduate in Training).
- Provide environmental specifications into NECs, Tender evaluation, develop environmental criteria and adjudication thereof.

January – July 2022 Myezo Environmental Management Services Pty Ltd Pretoria, South Africa

September 2010 – February 2011 Myezo Environmental Management Services Pty Ltd Pretoria, South Africa

Previous Job Description: Environmental Administrator and Environmental Intern

- Conduct Environmental Impact Assessment and Basic Assessment Reports and assist in data collection.
- Draft environmental background information document for Environmental Impact Assessment (Full Scoping) Report.
- Undertake environmental legislative research to advise the business on the activities that trigger listed activities such as Water Use License Applications, Tree Cutting Permits, Waste disposal sites and Environmental Authorizations.
- Legal research, comment on new environmental law & compile environmental legal opinions for projects when required.
- Compile Environmental Management Programme Reports.
- Conduct environmental auditing against Environmental Management Programme Report (EMPR) and Environmental Authorization.
- Conduct site investigations and compile Environmental Management Plans for various mining activities and minerals such as prospecting license, mining license, and renewal license.
- Act as an interested party to external environmental public participation involvement.
- Draft project proposal for environmental mining proposal.
- Undertake Geographic Information System Analysis to examine the correct geographic location and environmental features depicted on the ground and map layouts.
- Compile environmental reports for the clients.

- Outsource and liaise with specialist groups to be subcontracted to enable the full process of Environmental Impact Assessment.
- Facilitate and partake on Public Participation Involvement meetings.

Scientific Board Affiliations

- Registered as Professional Natural Scientist (*Pr.Sci.Nat.*) [REDACTED] in Environmental Science at South Africa Council for Natural Scientific Professionals (SACNASP) in terms of Natural Scientific Professions Act 27 of 2003.
- Affiliated as a Registered Member [REDACTED] at the Water Institute of Southern Africa (MWISA) which is recognised as a professional body by the South African Qualifications Authority (SAQA) in 2013

Awards & Recognitions

- Awarded certificate of appreciation by Endangered Wildlife Trust (EWT) for turnaround strategies to improve wildlife conservation, prevent wildlife injuries and mortality improving sustainable development at Eskom Holdings SOC Ltd in 2018/2019 financial year.

Additional Competence Training Certificates

- Environmental Legal Compliance, Auditing and Monitoring [Business Success Solutions] | SACNASP and EAPSA Accredited Course, South Africa
- Environmental Law for Environmental Managers [North-West University], South Africa
- Environmental Management System ISO 14001:2015 Transition Training [ISO-Q Consulting Pty Ltd], South Africa
- Environmental Management System ISO 14001 Audit: A Lead Auditor Course based on ISO 19011 and ISO 17021 [North-West University], South Africa
- SANS OHSAS 18001 Understanding & Implementation of OHSMS based on BS OHSAS 18001 – 2007 [South African Bureau of Standards], South Africa
- Hazard Identification and Risk Assessment (HIRA) Workshop [IRCA Global]
- ISO 9001: 2015, ISO 14001: 2015 & ISO 45001: 2018 Integrated Management Systems (IMS) Introduction Training Course [SGS South Africa]
- Department of Forestry, Fisheries and Environment (DFFE) Environmental Screening Tool.

Computer Training & Competency

- Proficient working with SAP EHS Incident Management
- Proficient working with Hyperwave, SharePoint and OpenText
- Proficient with Advance Microsoft applications (Word, Excel, Access, PowerPoint, Outlook, OneDrive & Teams).
- Proficient working with ArcView 3.2a, ArcGIS (ArcInfor 8.1) & Google Earth.
- Proficient working with Small world (Citrix Receiver).
- Proficient working with Primavera for Project Management
- SAP Quality Issue Management (QIM)
- Primavera system

International Workshop & Training

- Attended Environmental Management Systems (EMS) compliance workshop at Rössing Uranium Mine (Pty) Ltd in Swakopmund, in Namibia in April 2010.

Sample of Projects involved in

- Form part of PSC working group and internal reviewer for a Strategic Environmental Assessment for the proposed Boegoebaai Port and Special Economic Zone – Ongoing.
- 20 MW Renewable Energy Electricity Generating System at the Port of Saldanha at Transnet National Port Authority – Ongoing.
- Deepening and upgrade of the Quay 3 at the Port of Mossel Bay at Transnet National Port Authority – Ongoing.
- Dredging Services Requirements (Deepening and widening of OSSB/ GMQ underwater channel at the Port of Saldanha at Transnet National Port Authority – Ongoing.
- Feasibility: Refurbishment of Main Breakwater and Causeway Rock revetment at the Port of Saldanha at Transnet National Port Authority – Ongoing.
- Multi-Purpose Terminal Expansion (Phase 1: Deepening & Strengthening of Quay 4) at the Port of Mossel Bay at Transnet National Port Authority – Ongoing.
- Fender Maintenance Storage and Operation phase 2 (construction of new berth) at Small Craft Harbour in the at the Port of Saldanha at Transnet National Port Authority – Ongoing.
- Upgrade and Replacement of Asbestos water pipeline at the Port of Saldanha at Transnet National Port Authority – Ongoing.
- Upgrade of Haul Road and stormwater management (1:50 year flood event) at the Port of Saldanha at Transnet National Port Authority – Ongoing
- Upgrade of water services network in the Port of Mossel Bay at Transnet National Port Authority – Ongoing.
- Dredging Requirements Services (Maintenance of Mossgas Quay) in the Port of Saldanha at Transnet National Port Authority – Completed.
- Upgrade of the fencing project in the Port of Mossel Bay – Completed.
- Maintenance of Access platform and corrosion at the Port of Saldanha – Completed.
- Environmental Management Plans for Eskom Holdings SOC Ltd Powerlines and Substations such as in Parys Customer Network Centre (CNC) and other CNC's as required by Environmental Management Legislative framework which Eskom subscribes to and Environmental Management System ISO 14001 to be developed and implemented – Completed
- Eskom Holdings Distribution Environmental Screening Document for Eskom Powerlines and Substations in terms of DESD internal procedure in environmental management for all projects that are likely to trigger listed activities in 2012 -2016 – Completed
- Facilitate Public Participation Meeting for a Basic Assessment Report in Ermelo in Mpumalanga for Sheepmoor Project on behalf of Alizay Properties (Pty) Ltd in accord with the National Environmental Management Act 107 of 1998, as amended in 2010 – Completed.

- Draft Environmental Impact Assessment (EIA) Proposal for Metlakgola Construction and Developments (Pty) Ltd for the Umgababa Resort Development in terms of National Environmental Management Act, 107 of 1998 under Government Notice Regulations; R544, R545 and R546 of June 2010 within EThekweni Municipality in KwaZulu Natal Province in July 2012 - Completed.
- Water use licence application for a licence for Rustenburg Local Municipality for a river cross for a Bokamoso Sewage Pipeline Outfall for Bokamoso Village, Mfidikwe and eNtabeni communities in terms on National Water Act, 1998 within Rustenburg Local Municipality in 2012 – Completed.
- Background Information Document for Basic Assessment Report (BAR) for Rustenburg Local Municipality for the Bokamoso Sewage Pipeline Outfall in 2012 – Completed.
- Partake in Public Participation Meeting with Interested and Affected Parties for Environmental Impact Assessment of Bokamoso Sewage Pipeline Outfall for Bokamoso Village, Mfidikwe and eNtabeni village within Rustenburg Local Municipality in 2012 – Completed.
- Waste Disposal Application licence for Trans Hex Operations Pty Ltd (Baken Mine and Bloeddrift Mine) Waste Disposal site within Richtersveld Municipality in Northern Cape Province in July 2012 – Completed.
- Environmental Auditing, Compile Report, Prospecting Licence Application Resources in terms of Minerals Petroleum Resources Development Act 28 of 2002 in Farm Goedehoop 196 HT in Mpumalanga Province under Piet Retief Magisterial District in 2010 – 2011 – Completed.
- Draft Basic Assessment Report (BAR) Proposal for Waste Storage Application Licence and Construction of bricks Permit Application as required by National Environmental Management Act and Waste Act, 59 of 2008 regulations within Ekurhuleni District Municipality in Gauteng Province (January 2011) – Completed.
- Boat Launching Application for Trans Hex Operations Pty Ltd (Brazil Mine and Hondeklip Bay) boat launching site in terms of Guidelines on the Implementation of Regulations pertaining to the Control of Vehicles in the Coastal Zone under Government Notice 1426 of 7 December 2004 in 2012 – Completed.
- Compile Environmental audit report for Trans Hex Operations Pty Ltd (De Punt Mine) in compliance with environmental management plan in terms of National Environmental Management Act, 1998 in Western Cape Province in 2012 – Completed.
- Compile Environmental Management Programme (EMP) report for Trans Hex Operations Pty Ltd for prospecting rights application in terms of Petroleum Resources Development Act 28 of 2002 (MPRDA, 2002) in Richtersveld Municipality in Northern Cape Province in 2010 – Completed.
- Water Use Licence Application for Trans Hex Operations Pty Ltd within Remhoogte Mine in terms of National Water Act, 1996 (Act 36 of 1996 within Richtersveld Municipality in the Northern Cape Province in 2010 – Completed.
- Drafting comments or concerns as an interested and affected party in an environmental management perspective about a proposed construction of boardwalks in the Namaqua National Park in terms of NEMA, 1998 within Namaqualand Municipality in Northern Cape Province in November 2010 – Completed.

- Environmental Management Plan Reports for prospecting rights application for Gold ore and uranium ore within Klerksdorp Municipality in North-West Province on 06 December 2010 – Completed.

Contactable References

Jabulani Maluleke (Mr.)

- **Regional Environmental Manager:** Transnet National Port Authority (TNPA)
- [REDACTED]

Sethunyane Shirley Moloto (Ms.)

- **Construction Project Manager:** Transnet National Port Authority (TNPA)
- [REDACTED]

Lindelwa Ntamo (Ms.) (*Pr. Sci. Nat*)

- **SHEQ Middle Manager:** Eskom Holdings SOC Ltd – Cape Coastal Cluster
- [REDACTED]

Babalwa A. Fatyi (Mrs.) (*Pr. Sci. Nat*)/Registered EAP

- **Managing Director:** Myezo Environmental Management Services Pty Ltd.
- [REDACTED] [REDACTED] [REDACTED]

Elie F. Itoba-Tombo (Dr.) (*Cert.Sci.Nat.*)

- **Senior lecturer (My Master's Research Supervisor):** Cape Peninsula University of Technology
- [REDACTED]

Koena Matlala (Ms.)

- South African Association of Public Administration & Management (SAAPAM) – Soshanguve South Campus [REDACTED]
- [REDACTED]