



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

### DETAILS OF THE ENVIRONMENTAL ASSESSMENT PRACTITIONER, DECLARATION OF INTEREST AND UNDERTAKING UNDER OATH

(For official use only)

File Reference Number:

NEAS Reference Number:

Date Received:

DEA/EIA/14/12/16/3/3/2007

02 November 2020

Application for authorisation in terms of the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment (EIA) Regulations, 2014, as amended (the Regulations)

#### PROJECT TITLE

The Proposed Gas to Power Powership Project at the Port of Richards Bay, Umhlathuze Local Municipality, King Cetshwayo District, Kwazulu-Natal.

#### Kindly note the following:

1. This form must always be used for applications that must be subjected to Basic Assessment or Scoping & Environmental Impact Reporting where this Department is the Competent Authority.
2. This form is current as of 01 September 2018. It is the responsibility of the Applicant / Environmental Assessment Practitioner (EAP) to ascertain whether subsequent versions of the form have been published or produced by the Competent Authority. The latest available Departmental templates are available at <https://www.environment.gov.za/documents/forms>.
3. A copy of this form containing original signatures must be appended to all Draft and Final Reports submitted to the department for consideration.
4. All documentation delivered to the physical address contained in this form must be delivered during the official Departmental Officer Hours which is visible on the Departmental gate.
5. All EIA related documents (includes application forms, reports or any EIA related submissions) that are faxed; emailed; delivered to Security or placed in the Departmental Tender Box will not be accepted, only hardcopy submissions are accepted.

#### Departmental Details

##### Postal address:

Department of Environmental Affairs  
Attention: Chief Director: Integrated Environmental Authorisations  
Private Bag X447  
Pretoria  
0001

##### Physical address:

Department of Environmental Affairs  
Attention: Chief Director: Integrated Environmental Authorisations  
Environment House  
473 Steve Biko Road  
Arcadia

Queries must be directed to the Directorate: Coordination, Strategic Planning and Support at:

Email: [EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)

## 1. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP Company Name:	Triplo4 Sustainable Solutions (Pty) Ltd		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	1	Percentage Procurement recognition
EAP name:	Aletta Johanna Plomp		
EAP Qualifications:	MSc Environmental Management ( <i>Cum Laude</i> )		
Professional affiliation/registration:	SACNASP : 400026/2001 Reg. EAP (EAPASA: 2019/189)		
Physical address:	Suite 5, The Circle, Douglas Crowe Drive, Ballito, 4420		
Postal address:	P.O Box 6595, Zimbali		
Postal code:	4418	Cell:	083 308 8003
Telephone:	032 946 3213	Fax:	-
E-mail:	hantie@triplo4.com		

The appointed EAP must meet the requirements of Regulation 13 of GN R982 of 04 December 2014, as amended.

## 2. DECLARATION BY THE EAP

I, Aletta Johanna (Hantie) Plomp, declare that –

- I act as the independent environmental assessment practitioner in this application;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- I will take into account, to the extent possible, the matters listed in Regulation 13 of the Regulations when preparing the application and any report relating to the application;
- I undertake to disclose to the applicant and the Competent Authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the Competent Authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the Competent Authority, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the Competent Authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in Section 49B of the Act.

**Disclosure of Vested Interest (delete whichever is not applicable)**

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;
- ~~I have a vested interest in the proposed activity proceeding, such vested interest being:~~



Signature of the Environmental Assessment Practitioner

Triplo4 Sustainable Solutions (Pty) Ltd

Name of Company:

11 May 2023

Date

**3. UNDERTAKING UNDER OATH/ AFFIRMATION**

I, Aletta Johanna (Hantie) Plomp, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.



Signature of the Environmental Assessment Practitioner

Triplo4 Sustainable Solutions (Pty) Ltd

Name of Company

11 May 2023

Date




Signature of the Commissioner of Oaths

11/05/2023

Date

I HEREBY CERTIFY THIS TO BE A TRUE COPY OF THE ORIGINAL

  
NIKHIL HARILALL  
COMMISSIONER OF OATHS  
PRACTISING ATTORNEY  
SUITE 21, THE CIRCLE  
DOUGLAS CROWE DRIVE, BALLITO  
DATE: 11/05/2023

**NIKHIL HARILALL**  
**COMMISSIONER OF OATHS**  
**PRACTISING ATTORNEY**  
**SUITE 21, THE CIRCLE**  
**DOUGLAS CROWE DRIVE, BALLITO**

## CURRICULUM VITAE

**Name of Firm:** Triplo4 Sustainable Solutions (Pty) Ltd

**Name of Staff:** Aletta Johanna Plomp (Hantie)

**Position in Firm:** Managing Director

**Profession:** Environmental Management

**Date of Birth:** 23-01-1966

**Years of Professional Experience:** >20 **Nationality:** South African

### Professional Registrations and Memberships:

Registered as Professional Natural Scientist with the South African Council for Natural Scientific Professions; Professions in the field "Environmental Science" (2001) Registration number 400026/2001;  
 Registered as EAP with EAPASA. Registration Number 2019/189;  
 Registered Accredited Professional – Green Buildings Council South Africa (GBCSA);  
 Registered member – International Association for Impact Assessment South Africa (IAIAsa);  
 Registered member – Aquaculture Institute of Southern Africa;  
 Registered member – Project Management Institute (PMI);  
 Registered member – Institute of Directors of Southern Africa (IODSA);  
 Registered company membership – Green Buildings Council South Africa;  
 Registered company membership – Institute of Waste Management of South Africa (IWMSA);  
 Registered company membership – Water Institute of South Africa (WISA).

### Education:

#### Key Qualifications:

Mar 2001	Master in Environmental Management (Cum Laude), The University of the Free State (Student No 1999323726)
May 1997	National Diploma in Analytical Chemistry, Technikon Pretoria (Student No 93096851)
Jul 1990	Government Certificate of Competency: Assayers Certificate Part A, Department of Mineral and Energy Affairs
Aug 1989	Modular Training Programme for Analyst, AAC Gold and Uranium Division (Certificate No C.L.009)
Mar 1988	BSC (Microbiology, Physiology), University of Pretoria (Student No 8419329)
Nov 2002	Management Development Programme, Gordon Institute of Business Science – University of Pretoria
Nov 1993	Certificate in Business Management, (Cum Laude), Potchefstroom University for Christian Higher Education Small Business Advisory Bureau
Apr 2013	Registered Accredited Professional – Green Buildings Council South Africa
Sep 2017	Certificate of Competence: Train The Trainer (US 117871) – ETDP SETA
Sep 2017	Certificate of Competence: Conduct Assessments (US 115753) – ETDP SETA

<b>Continued Professional Development: Additional Courses, Workshops, Seminars, Fora, Events:</b>	
Apr 2019	Being a Director Part 5 (IODSA - 1 day Interactive Board Simulation)
Mar 2019	Woman on Boards Programme (Limit Breakers – 3 month programme)
Oct 2018	Sludge to Resource Symposium - 2 days (WISA)
Jun 2018	ISO 19011:2011 Guidelines for Auditing Management Systems, SHEQ National Cert, SA
Feb 2018	Aquaculture Farming 5 Day Course (Certificate of Attendance)
Feb 2018	SETA accredited to conduct environmental training (LG SETA)
Oct 2017	EAP Workshop Programme, DEA Environment House (Workshop)
Oct 2017	Environmental Affairs Business Forum, Durban Chamber of Commerce (Event)
May 2017	SETA Accreditation and Skills Development (Workshop)
Apr 2017	Ugu Maritime Strategy Implementation (Workshop)
Sep 2016	Environmental Affairs Business Forum, Durban Chamber of Commerce (Event)
Sep 2016	Energy Management System (EnMS) 2 Day End User, National Cleaner Production Centre (NCPC) South Africa;
Jun 2016	Hazardous Waste Training Course, Institute of Waste Management of Southern Africa (IWMSA) (Certificate of Attendance No 0106/16)
Apr 2016	Waste Legislation Training Course, IWMSA (Certificate of Attendance No 0304/16)
Mar 2016	SPLUMA, IAIAA Event
Mar 2016	Sustainable Development Forum (SDF), Institute of Directors in Southern Africa (IODSA)
Sep 2015	Resource Efficient and Cleaner Production Basic Training, National Cleaner Production Centre (NCPC) South Africa (Certificate of Attendance)
Mar 2015	NEMA Environmental Legislation, Shepstone Wylie Attorneys (Certificate of Attendance)
Jun 2015	Being a Director Part 4, IODSA (Certificate of Attendance)
May 2015	Being a Director Part 3, IODSA (Certificate of Attendance)
May 2015	Environmental Law Update, Shepstone Wylie (Certificate of Attendance)
Apr 2015	Governance for SME's, IODSA (Certificate of Attendance)
Oct 2015	Windeed, Windeed Systems, a Division of Korbitec (Certificate of Completion)
Nov 2014	New proposed NEMA regulations 2014, IAIAA and EDTEA (Workshop)
Nov 2014	Water Use Registrations, IAIAA & DWS (Workshop)
Oct 2015	KwaDukuza Municipality Low Emissions Strategy for 2030, ICLEI (Stakeholder Contribution)
Aug 2015	KwaDukuza Green Buildings Guidelines Workshop, ICLEA & KDM (Stakeholder Contribution)
Various 2014	KwaDukuza Municipality Low Emissions Strategy for 2030, ICLEI (Workshops)
Various 2013	KwaDukuza Municipality Low Emissions Strategy for 2030, ICLEI (Workshops)
Nov 2012	Coastal Vulnerability Index Workshop, EDTEA (Workshop)
Sep 2010	National Environmental Management – EIA Regulations, DAEA (Workshop)
Sep 2010	National Environmental Management: Waste Act, DAEA (Workshop)
2009-2010	Project Management Course: Internal, RHDHV / SSI Engineers & Environmental Consultants
Sep 2009	Green Buildings & Accreditation, Green Buildings Council SA (Certificate of Attendance)
Nov 2008	DESD Course, Eskom Environmental KZN (Certificate of Completion)
Aug 2008	Quality Management System Training Internal, RHDHV / SSI Engineers & Environmental Consultants
Oct 2007	Project Management, Insite Training Services SETA Accreditation No 0270 (Certificate of Completion)
Apr 2005	Transition Workshop ISO 14001:1996 to ISO 14001:2004, North-West University (Certificate of Attendance)
Feb 2005	Crystal Reports, Business Objects (Certificate of Completion)
Jan 2005	Leadership Development Programme Phase 1 (Emotional Intelligence), AngloGold Ashanti Training and Development Services (Certificate of Completion, No 7152)

Mar 2004	Driver Evaluation K53, Code B, Exclusive Training & Services (Certificate of Competence No 17792)
Oct 2003	Isokinetic Sampling, University of Pretoria (Certificate L15257)
Sep 2003	Practical Landfill Management Principles, Enviro-Fill (Certificate of Attendance)
Aug 2003	Waste Management for Environmental Managers, Potchefstroom Universiteit vir Christelike Hoer Onderwys (Certificate of Attendance)
Mar 2003	Safety Management Audit Training, E.I du Pont Nemours and Company (Certificate of Completion)
Jul 2002	Hazardous Materials, Institute for International Research (Certificate of Participation, No P2333)
Aug 2001	Environmental Law, Potchefstroom Universiteit vir Christelike Hoer Onderwys Centre for Regional Development (Certificate of Completion)
May 2001	Environmental Management Systems, Universiteit vir Christelike Hoer Onderwys Centre for Regional Development (Certificate of Completion)
Apr 2001	Environmental Auditing, Universiteit vir Christelike Hoer Onderwys Centre for Regional Development (Certificate of Completion)
Feb 2000	Biodiversity and Biomonitoring Methodology, University of the Orange Free State Centre for Environmental Management (Certificate of Attendance)
Feb 2000	Integrated Environmental Management for Local Authorities, University of the Orange Free State Centre for Environmental Management (Certificate of Attendance)
Jan 2000	Environmental Impact Assessment, University of the Orange Free State Centre for Environmental Management (Certificate of Attendance)
Nov 1998	National Water Act, 1998 – Implications for the Mining Industry, South African Institute of Mining and Metallurgy and the Water Institute of Southern Africa Joint Colloquium
Mar 1998	Introduction to Computers, Windows 95, Procomp Computer Training (Certificate of Completion)
Feb 1998	Management Development Phase 1, Vaal Reefs Exploration and Mining Co Ltd Human Resource Development (Certificate of Attendance)
Jan 1998	Business Presentation Skills, Business Presentations Skills Pty Ltd (Certificate of Completion)
Sep 1997	Accident and Incident Investigations (Chamber of Mines South Africa Mine Safety Division (Certificate of Attendance)
Sep 1996	Risk Assessment for Mining Engineering Practice, AngloGold Technical Training and Development Services (Certificate of Completion No FG/96/02)
Jan 1995	Communication Skills Course (Oral & Written), Vaal Reefs Exploration and Mining Co Ltd Regional Training Centre (Certificate of Attendance)
Apr 1993	Communication Skills Course (Written), Vaal Reefs Exploration and Mining Co Ltd Regional Training Centre (Certificate of Attendance)
Aug 1990	Advanced Supervision Vaal Reefs Exploration and Mining Co Ltd Regional Training Centre (Certificate of Attendance)
Feb 1990	Safety Representative Vaal Reefs Exploration and Mining Co Ltd Metallurgical Plants (Certificate of Competence No SR 157)
Jan 1990	Supervision Vaal Reefs Exploration and Mining Co Ltd Regional Training Centre (Certificate of Attendance)
Feb 1989	Certificate in Mine Safety and Loss Control, Vaal Reefs Exploration and Mining Co Ltd Metallurgical & Engineering Plants (Certificate of Competence No M-324)

### Employment History:

October 2011 to date      Triplo4 Sustainable Solutions Pty Limited  
 Managing Director  
 Responsible for the establishment and sustainable growth of the company and



ensuring the provision of consulting services and sustainability products as per the company profile. Ensure Corporate Governance and development and implementation of the company strategy.

August 2010 to  
September 2011

Enspire Environmental CC  
Founding Member

Responsible for the execution of existing projects and the winding down of the close corporation and transition to Triplo 4 Sustainable Solutions Pty (Ltd).

November 2006 to  
July 2010

SSI Engineers and Environmental Consultants (Environmental Sector)  
Sector Area Manager – KZN Environmental / Principal Associate

Responsible for the overall management and development of the regional environmental sector, including the identification, development and implementation of the regional strategy, innovation and corporate social responsibility management system. Business development, marketing and quality delivery were key aspects to address in ensuring a sustainable sector. Responsibilities also included the provision of environmental consulting services, technical assistance for environmental projects and ensuring compliance with occupational health and safety issues related to the Ballito satellite office.

Mar 2004 to Oct 2006

AngloGold Ashanti  
Environmental Manager Systems

Environmental Manager responsible for managing the development and implementation of fifteen ISO 14001:2004 certificated Environmental Management Systems, conducting audits and ensuring the conducting of legal compliance and system audits, ensured the development and implementation of environmental training as well the conducting of impact and risk assessments and development of environmental management plans for AngloGold Ashanti (mining, chemical processing and engineering related). Responsibilities included the development and presentation of a range of environmental and EMS training courses and managing the investigation, reporting and review of major environmental incidents.

Jan 2003 to Mar 2004

Environmental Coordinator: Air and Waste Management

Responsible for the development of a waste management and air quality management systems for the company. Initiated the strategies and driving of the implementation of the waste management strategy at corporate and business unit levels, ensuring the identification of the baseline assessment and identification of waste streams, development of guidelines and operational procedures as well as establishing appropriate waste contractors for recycling and disposal. Specific action plans were developed to ensure compliance with legislation, which were later incorporated into the certificated ISO 14001 system.

Apr 2001 to Dec 2002

Environmental Auditor

Developed and implemented an audit protocol and programme and conducted compliance audits to ensure company compliance with environmental legal requirements. Assisted with the development of corrective and preventative action plans to address noncompliance and built environmental capacity through the implemented audit process. Developed an incident identification, classification and reporting programme, which required the detailing of environmental impacts, basic causes, immediate actions as well as long term corrective and preventative actions.

Mar 1996 to Apr 2001

Environmental Management, Training and Awareness & Water Co-coordinator

The main function entailed the development of part 9 EMPR amendments for all South Africa Region mining Business Units (25). Coordinated the development and implementation of environmental training courses and awareness programmes.

Regarding water management; developed a blueprint for water monitoring, analyzed and interpreted data relating to water monitoring and recommended remedial actions to be taken and assisted with the development of water balances and water related risk assessments.

Mar 1988 to Mar 1996      Chemical Analyst Grade 2 and Grade 1, Analytical Chemist and acting Assistant Chief Chemist  
 As Chemical Analyst, responsibilities included the chemical analysis of solid and liquid mining samples. Responsibilities as Chemist included the supervising and co-ordinating uranium and gold laboratory staff and processes to meet planned schedules, co-ordinating the quality assurance programme, ensuring compliance with safety regulations and code of practices and procuring instrumentation and ensuring financial management.

**Employment Experience:**

***ISO 14001:2004 & 2015 Environmental Management Systems (EMS) & ISO 9001:2015***

Facilitated the stakeholder and public participation process and compiled a draft environmental policy for KwaDukuza Municipality. Compiled Environmental Management Policy and aligned company processes and systems with ISO 14001 required for supplier purposes for a refrigeration company, KZN.

Successfully assisted approximately 7 different AngloGold Ashanti (South Africa and Ghana based) mining sectors (mines, metallurgy, engineering, rehabilitation, properties (high and low density), procurement and human resources, with the design, development and implementation of a certified EMS, in accordance with the ISO 14001:2004 standard.

These EMS's included original policy development, gap analysis, EMS planning, implementation and review, including environmental training, assessment, non-conformance and environmental incident management, system and operational procedure development and auditing of the EMS systems.

In early 2018 ensured the successful development and implementation of the Triplo4 Sustainable Solutions ISO 9001:2015 and ISO 14001:2015 and external certification by SHEQ National Cert during May 2018.

***Environmental Assessments***

Completed or assisted consultants to complete various EIA's, environmental risk assessments and smaller environmental recommendations (list only as examples and therefore not comprehensive):

- BA's and EIA's for residential and housing developments;
- Environmental authorization for biodiesel processing facility and Moringa plantation;
- BA's for shopping Centres;
- Basic Assessments for roads and storm water management;
- Basic Assessment for pipelines and bridges with watercourse crossings;
- Basic Assessments for masts and antennas;
- Basic Assessments for construction activities within 100 metres of the high water mark;
- Basic Assessments and EIAs for Property Developments;
- Basic Assessment for the storage of dangerous goods;
- Basic Assessments for filling stations;
- EIA and Basic Assessments for Waste Licenses;
- EIA for a ventilation shaft (land rezoning);
- EIA for the development of a new water treatment facility;



- EIA for AngloGold Ashanti - Various smaller EIA's (2004 – 2006);
- New mining area extensions;
- Mining deepening project; -
- Drainage trench pollution management project;
- New mill project;
- Removal of topsoil prior to waste rock dump extension;
- Calcine and pyrite storage areas;
- Underground garage tanks removal;
- Hydrocarbon discharge and containment requirements;
- SPCA relocation; and
- Amendment and exemption applications for property development, storm water management, activities within 100 metres of the high water mark and public participation.

### ***Environmental Audits***

Conducted in excess of 50 legal compliance audits as environmental auditor for AngloGold Ashanti. These audits included all facilities associated with the mining authorizations, for example:

- mines / shafts;
- waste disposal sites;
- waste transfer stations / salvage yards;
- sewage treatment works;
- compliance to water use and discharge conditions;
- game parks;
- engineering workshops;
- third party audits e.g. rock drill and exploration drilling contractors; and high density, residential accommodation.

Conducted as lead auditor, gap analysis and internal environmental audits for ISO 14001:2004 certification.

Conducted external audits on environmental legal compliance, inclusive of relevant authorizations, licenses, permits and EMPs for:

- Dube Tradeport Corporation;
- Hazardous waste management facilities;
- Beema Bamboo plantation (approx. 500ha) for green energy generation;
- Construction and upgrades of roads and bridges;
- Shopping centers;
- Desalination plant;
- Pipeline constructions;
- Mines / shafts;
- Waste disposal sites;
- Mines / shafts;
- Waste transfer stations / salvage yards;
- Sewage treatment works;
- Compliance to water use and discharge conditions
- Cemeteries;
- Game parks; and
- Engineering workshops.

### ***Environmental Disasters, Non-conformance and Incidents***

Completed Section 30 and Section 28 emergency incident applications and business plans for KwaDukuza private sectors and Ugu District Municipality following the 2007 coastal storm event. Served on the KwaDukuza and Ugu Municipality Disaster Steering Committees and worked with the coastal management department of DAEA KZN, regarding coastal damage and remediation. Identifying remediation requirements in accordance with coastal principles and conducted environmental monitoring (Environmental Control Officer) for remediation work.

Conducted various workshops to assist business units to identify environmental incidents. Developed procedures for the identification, classification and reporting of environmental incidents. Developed inspection checklists and training material to build capacity for environmental incident management. Assisted business units with the identification and implementation of practical options to address and prevent future environmental incidents. Monitored the implementation and sustainability of the remediation plans and programmes and monthly reported statistics.

Compiled various major environmental review documentation, including:

- Hydrocarbon contamination;
- Pipeline failures and contamination;
- Contractor and contract management;
- Air pollution from tailing storage facilities; and
- Emergency preparedness and response.

Compiled Section 24G applications and environmental assessment and successfully obtained environmental authorizations for unauthorized activities in terms of the National Environmental Management – EIA Regulations.

Supervised S24G applications with GDACE and KZN DAEA/ EDTEA within various areas included:

- Activities within 100 meters of the high water mark (Ilembe, Ugu);
- Cemetery (Ugu);
- Crematorium (iLembe);
- Housing development (KwaDukuza)
- Foundry (Sedibeng).

### ***New Mining Authorizations, EMPr Amendments, EIA Amendments and EMPr Assessments***

Experience includes the management of and compilation of new mining authorizations and permits, EMPr Amendments and EMPr Assessments. The following is a short summary of work managed and compiled:

- Coal mining EMPr and pre-commencement requirements (Mpumalanga);
- Coal mining permits and EIA (KZN);
- Sand mining permits (KZN);
- EIA Assessments for activities within 100 meters of the high water mark (Ilembe, Ugu);
- EIA Assessment for Cemetery (Ugu);
- EIA Amendments for developments (various within KZN);
- EMP amendment for a Uranium Plant expansion project;
- EMPr's for property developments (low income, affordable housing, high density, upmarket residential);
- Environmental Performance Assessments for mining (33);
- New mining authorizations (2);
- Development and assessments of exploration EMP's;
- Tailings storage facility expansion;

- Waste Rock Dump mining and utilization;
- Pollution control dam (with safety risk) establishment;
- New ROM mill construction;
- Regional EMP updates in accordance with MPRDA;

As Environmental Manager – System, assistance was provided to the Legal Department with the environmental conditions for the conversion of the old order mining rights.

***Environmental Feasibility Studies and Environmental Enquiries***

Responsible for the compilation of feasibility studies and environmental enquiries for:

- Property developments;
- Linear developments;
- Commercial and industrial developments;
- Airport expansion; and
- Waste water treatment works.

Where possible, innovative solutions are investigated with Clients and the Authorities to reduce or eliminate environmental impacts within the legal frameworks, thereby reducing costs, timeframes and potential penalties associated with environmental processes and transgressions.

***Environmental Control Officer Functions***

Conducted numerous site inspections and produced environmental audit reports to Clients and the Authorities.

Directed, guided and reviewed the work of subordinates:

- Linear developments e.g. roads and pipelines;
- Commercial developments e.g. Shopping Centers within urban and rural areas;
- Property developments, inclusive of sensitive areas; and
- Industrial developments e.g. desalination plant.

***Waste and Water Management, including Water Use Licenses***

Practical experience and competence in waste management was established through the development of waste management programmes and procedures for the responsible management (re-use, recycle and disposal) of waste, following the identification of general and hazardous waste types and waste streams for the various mining sectors. Procedures developed, included:

- General waste (paper, plastic, wood);
- Domestic waste;
- Hazardous waste (fluorescent tubes, hydrocarbons, batteries, medical); and
- Water management.

Conducted legal compliance audits for waste disposal sites - Gauteng and North West in accordance with the DWAF permits as well as the external (3<sup>rd</sup> party) audit of the Holfontein hazardous waste disposal site. Coordinated the review of the existing landfill and airspace requirements and investigations for extensions or new sites and provided recommendations to improve operational performance from an environmental perspective. As part of the corporate responsibility programme, assisted the Municipality and DAE&RD with waste recycling and waste awareness programmes.

Involvement with the establishment of a regional water balances, incident investigations and the review of Business Unit water resource and water quality management issues as well as developed competence on surface water management issues.

Applications for waste licenses in terms of the National Environmental Management Waste Act included:

- E-waste facility;

- Waste disposal facility (land building);
- Waste Water Treatment Works.

Conducted and managed applications for water use registrations for industry, private and public sectors that include:

- Water abstraction from a resource;
- Water storage;
- Wetland (c) and (i); and
- Discharge of water to a resource.

**Training Courses and Awareness Programmes**

Throughout my environmental career, I have been involved with the development of training and awareness programmes and material as well as the presenting of training to all levels within organizations and the public sector. The following is a list of courses prepared and delivered and awareness created:

- Environmental awareness programme to improve inadequate EMS performance;
- Train the trainer courses – waste management and general environmental awareness;
- Environmental Management Courses for Managers and Councilors – Local Municipality;
- 1-day General Environmental Management Course for Managers;
- Environmental incident recognition and reporting;
- Top management training course;
- General awareness course for C-level as well as Group 3 - 8 employees;
- Water management awareness course;
- General introduction to waste management and mining authorization requirements;
- EMS system procedures course;
- Water week awareness day with schools;
- Environment day projects with local pre-primary and primary schools;
- Greening project with local community (presentations and site visits);
- Arbour day programme with high schools; and
- Grassing and recycling project with local community.

In 2017, I completed the Train-The-Trainer and Assessor Courses and lead the company to obtain LG SETA accreditation.

**International Experience:**

Ghana

**Languages:**

	<b>Speak</b>	<b>Read</b>	<b>Write</b>
English	Excellent	Excellent	Excellent
Afrikaans	Excellent	Excellent	Excellent

**Environmental Experience: Selected Projects undertaken at Triplo4, Enspire Environmental & SSI:**

During my employment as Environmental Consultant as well as being a member of Enspire Environmental and Director and shareholder of Triplo4 Sustainable Solutions, Pty (Ltd), I have been and continue to be involved in environmental projects at various levels. Responsibilities included and continues to include:

- Conducting of site visits with the Clients and Authorities;
- Identifying environmental issues, legislative requirements and feasible alternatives;

- Compiling relevant documentation or advising on the requirements;
- Liaising with the Client, Authorities and conducting Public Participation Processes;
- Conducting ECO work and conducting external audits with the Authorities;
- Addressing Authority requirements;
- Problem-solving, innovation and advising on preventative and corrective measures;
- Reviewing documentation;
- Developing consultant's competence through coaching and mentoring;
- Ensuring quality management;
- Developing own competence through training;
- Taking full responsibility for own work;
- Being accountable for the unit (SSI) and companies' (Enspire and Triplo4) performance.

The following is a reference sample of specific projects:

*Environmental Impact Assessments/ Basic Assessment Reports/ Environmental Management Programmes/ 24G Applications/ Amendments Applications / Closure Plans/ Enquiries*

2021	Elaleni Lifestyle Estate Basic Assessment	Blue Gum Estate (Pty) Ltd
	Ballito Village & Ballito Views Part 2 Amendment	
	AMahlongwa Estuarine Management Plan	Department of Economic Development, Tourism and Environmental Affairs
	Gas to Power Powership Project at the Port of Saldanha Bay, EIA, Specialist Studies, EMPr	Karpowership SA (Pty) Ltd
	Gas to Power Powership Project at the Port of Richards Bay, EIA, Specialist Studies, EMPr, WULA	Karpowership SA (Pty) Ltd
	Gas to Power Powership Project at the Port of Nqgura, EIA, Specialist Studies, EMPr, General Authorization	Karpowership SA (Pty) Ltd
2020	Elaleni Lifestyle Estate Part 2 Amendment	Blue Gum Estate (Pty) Ltd
	The Strategic Corridor Development Plan for Vryheid to Ermelo	SMEC for COGTA
	Elaleni Coastal Forest Estate Leisure Centre Basic Assessment	Northglobal Properties
	Ballito Village Part 2 Amendment	ARCIS Pty Ltd
2019	South Coast Environmental Assessment	Black Balance Projects
	Seaward Estate Emergency Application	Seaward Estate
	Rocky Ridge Township Part 1 Amendment	Rocky Ridge Farming and Investments (Pty) Ltd
	Greater Inanda Local Area Plan (environmental input)	Zimanga Urban and Rural Design for eThekweni Human Settlement Department
	Development Framework and Master Plan Update for the La Mercy Joint Venture	Dube TradePort and ACSA JV
	Mandeni Filling Station, South Africa	Amazulu Foundation
	Oriole Precinct	Abland Propriety Limited
	Thompsons Bay Beach MMP	KwaDukuza Local Municipality
	Vlakspruit Crematorium □ Air Emissions License and Environmental Impact Assessment	KwaDukuza Local Municipality
	Thompsons Bay Beach Stormwater Infrastructure □ Maintenance Management Plan and S30 Application	KwaDukuza Local Municipality
	Nonoti Housing, WWTW and associated infrastructure EIA	SMA Consultants
	Elaleni External Audit and Legal Compliance	North Global Development
	Vuthela Waste Scoping & Assessment - Research	Vuthela
	eThafeni Cemetery – Water Management Assessment	KwaDukuza Municipality

	The Vines & Lush – Elaleni Amendments	Elaleni Estate
	The Executive Amendments	Golden Dividend 341
2018	Sappi Tugela Mill Effluent Pipeline - Maintenance Management Plan	Sappi Tugela Mill
	La Mercy South Beach Road Fatal Flaw Analysis Assessment	Met Developments (PTY) LTD
	Waste Tyre Pyrolysis Plant, Gauteng - Environmental Opinion and EMPr	Cosmic Energy Africa
	Oasis Sibaya Residential Development - Environmental Enquiry and EMPr	Edison Property Group
	Vulindlela Strategic Environmental Assessment	SMEC for Msunduzi Municipality
	Waste Tyre Pyrolysis Plant, Newcastle, Environmental Opinion	Encogenix
	Malachite Business Park - Environmental Enquiry, Part 1 amendment	Abland Propriety Limited
	Hydrocarbon Ground Contamination at a residence in Umlazi, Q Section	Ms. Nelisile Nzama
	Inoxa Cookware Factory: Environmental Management Programme	Shree Property Holdings
	Avondale Basic Assessment	Horsewood Trust
	Environmental Enquiries – Cellphone Masts	Huawei MTN
	Beachwood Coastal Estate – Basic Assessment	Beachwood Investments
	Elaleni – Lush Environmental Enquiry	Firewings Properties
	Shaya Quarry Mining Permit	Mataroway (Pty) Ltd
	Empangeni Coal Mining Permit	Mbavuzza Mining
	KDM Sport Complex Basic Assessment	KwaDukuza Municipality
2017	KwaDukuza Coastal Maintenance Management Plan	KwaDukuza Municipality
	Southern Regional Bulk Water & Sanitation Scheme BA	Escongweni Engineers for iLembe District Municipality
	Yzermyn Underground Coal Mine, Mpumalanga	Atha Africa Ventures
	Remainder of Portion 1 of Erf 2838 is located within the "Executive Office Estate" Release from DMOSS and Part 1 Amendment	Golden Dividend 344 (Pty) Ltd
	Groutville D Sanitation Programme Due Diligence, Planning and EMPr	DKG Project Managers and Engineers
	Lower Thukela Regional Bulk Water Supply Scheme, KZN, Basic Assessments and Amendments	Various Engineers e.g. Naidu Consulting for iLembe District Municipality
	Phase 1A and 1B of the Proposed Southern Regional Bulk Water and Sanitation Scheme - Basic Assessment and Environmental Enquiry	Escongweni Engineers (on behalf of iLembe)
	Cornubia North Phase 1 Mixed Use Development EIA	Tongaat Hulett Developments
	Yzermyn Underground Coal Mine, Mpumalanga EMPr	Atha Africa Ventures
	Springvale Country Estate Residential Development Section 24G and Part 2 Amendment	DG Investment / Springvale Country Estate
	KwaDukuza Crematorium S24G	KwaDukuza Municipality
	Zinkwazi Beach Sewer System Upgrade BA	Nyeleti Consulting for KwaDukuza Municipality
	Desalination Plants Pre-feasibility studies and business plan for 4 Districts (Ugu, iLembe, King Cetshwayo & uMkhanyakude)	FocusPM / Umhlatuze Water for CoGTA
	Homestead Residential Development Comprising of 288 Units, Umhlali	Spinosa Developments (Pty) Ltd



2016	Elaleni Coastal Forest Estate Residential Development EIA Pre-Commencement Environmental Services, EMPr and Part 2 Amendment	Cross Atlantic Properties 65
	Lower Thukela Regional Bulk Water Supply Scheme, KZN, Basic Assessments and Amendments	Black Balance Projects and Various Contractors for iLembe District Municipality
	BP Sunpark Motors Phase II Assessment	Sunpark Motors CC
	Dibiliza Junction – Petrol Filling Station (PFS) Relocation Enquiry and Closure Plan	Silverton 96 CC
	Felix Dlamini Road PFS BA	Dawngrove Investments CC
	Ngwelezane PFS Assessment, Enquiry and EMPr	Unlock Land Potential Pty Ltd
	Ethafeni Precinct Housing Development S24G and EIA	SMA Consultants for KwaDukuza Municipality
	Erf 196 Residential Development Tinley Manor BA	Elysium Trust
	Foxhill Smallholdings Development Assessment and Enquiry	Weaver
	Avondale Residential Development (Erf 1433, 1432, 1447) Enquiry and BA's	The Horsewood Trust
	Gasifier Project Environmental Assessment	Green Grid Energy
2015	Oceans Umhlanga Hotel & Residential Development	Edison Property Group
	Lower Thukela Regional Bulk Water Supply Scheme, KZN, Basic Assessments and Amendments	Black Balance Projects for iLembe DM
	Nonoti Housing Development EIR, EMPr and Specialist Studies	SMA Consultants for KwaDukuza Municipality
	Bhamshela PFS BA	Timocento (Pty) Ltd
	Zulti South Access Roads	RHDHV for Richards Bay Minerals
2014	Mhlabatshane Bulk Water Supply Scheme Phase 2 BA	Umgeni Water
	KwaDukuza Mall and Urban Precinct Development BA	Edison Property Group
	Lower Thukela Regional Bulk Water Supply Scheme BA's	Black Balance Projects for iLembe DM
	Mpophomeni Shopping Centre BA	Dymatron Pty Ltd
	Stanger Fuel Depot EDTEA Response, Enquiry and EMPr	Desai Family Trust
	Tugela Ferry PFS BA	Copperzone 163 Pty Ltd
	Eshowe Industrial Township BA	uMlalazi Local Municipality
	Bhamshela WWTW BA	Timocento Pty Ltd
2013	The Stables Retirement Village	Kabod Development Group
	Ugu Water and Sanitation – Generic EMPr for WWTW and Bulk Infrastructure	Ugu District Municipality
	Joymac Sands Mining Permit	Joymac Sands Sales
	Nyathikazi Road upgrade	SMA Consultants for KwaDukuza Municipality
	Cornubia North 760 hectare Mixed Use Phased Development - Full Scoping and Environmental Impact Assessment	Tongaat Hulett Developments
	Simbithi Eco Estate – Jacana Development	Silvermoon Properties
	P232 Road Upgrade and Stream Crossing BA	RHDHV for Department of Transport
	D887 Road Upgrade	RHDHV for Department of Transport
	Mbozamo Road Upgrade and Stream Crossing BA	SMA Consultants for KwaDukuza Municipality
	Greytown Bulk Water Supply Scheme Phase 2 – 35km	RHDHV for uMzinyathi DM

	Jozini Regional Community Water Supply Scheme – 62km BA & EMPr	RHDHV for Umkhanyakude DM
	77 Colwyn Drive BA	Marlboro Pty Ltd
2012	Steve Biko Phase 2 Housing Development	SMA Consultants for KwaDukuza Municipality
	Tugela Ferry Shopping Centre, WWTW	Copperzone 163 (Pty) Ltd
	Gqolweni Road BA	Umdoni Municipality
	Simba Mabhele Farm Enquiry and EMPr	Mrs Mbalo
2011	Steve Biko Phase 2 Housing Development	SMA Consultants for KwaDukuza Municipality
	Tugela Ferry Shopping Centre, WWTW	Copperzone 163 (Pty) Ltd
	Biodiesel BA (Moringa Oil)	Enterprise Ilembe
2010	Foundry Environmental Assessment & Authorisation	Yellow Star
	Umzinto Low Level Bridge BA	Liquid Platinum
	88 Compensation Amendment	Imali Corp / @ 88
	South Beach Road Amendment	Ivan Architects
	Umdoni Crematorium S24G and EMPr	Umdoni Municipality
2009	Environmental input into planning for the R102 & Local Area Plans for Northern Urban Development Corridor	eThekwini Municipality – Framework Planning
	Lower Sizananjalo Pedestrian Bridge in Underberg	Emzansi Engineers
	Emalangeni Rural Housing Development	eThekwini Municipality – Housing
	Umdoni Flood Damage Repair BA's and EMP	Umdoni Municipality
	eThekwini Promenade Upgrade	Aecom
	Compensation Industrial and Business Estate – 320 hectare EIA	Tongaat Hulett Developments
	Prospecton Anaerobic Digester Gas Conversion to Electricity BA	South African Breweries (Pty) Ltd
2008	Cornubia Mixed Use Phased Development – 1300 hectare EIA	Tongaat Hulett Developments
	Mkhuze Airport Feasibility Study	Umhlosinga Development Agency & DBSA
	Ekhrosini Livestock Market and Urban Node Development	Isibuko Se-Africa for Msunduzi Municipality
2007	National Radar Network Upgrading	South African Weather Service
	Signal Hill Housing Development – 200 hectare	Msunduzi Municipality – Housing
	Ximba Low Income Rural Housing Development	Msunduzi Municipality – Housing

### **Environmental Enquires / Environmental Opinion**

2020	Elaleni Leisure Centre	Northglobal Properties
	Digrite, Sheffield Beach	Northglobal Properties
	Malachite Phase 2	Lapalaka Property Projects
	Elaleni Beach Club	Northglobal Properties
2019	Jex Estate	Collins Group
	Lazuli Phase 2	Lazuli Coastal Lifestyle Estate (Pty) Ltd
2018	Mandini Petrol Filling Station	Amazulu Foundation
	Romac Farm	Trace Property Investments (Pty) Ltd
2017	Extension to the Executive	Golden Dividend 344 (Pty) Ltd
	Foxhill Forest Estate, Salt Rock	LevEco Architects

	Sage Restaurant Expansion	Clinton Erlank
2016	Avondale Residential Development	Saxony Developments
	Foxhill Smallholdings Development	Mr. Weaver
	Erf 599 Stanger Warehouse Development	Chetty's Properties Trust
	27 Magai Drive	Martin Lind
	Dibiliza Petrol Filling Station	Silvertron 96 cc
	1 Barrier Lane	Mr. Murray
2015	50b Colwyn Drive	Graham Trading & Investments Pty Ltd
2014	Stanger Fuel Depot	Ismail Desai Family Trust
2013	Loxley Estate	Cenprop Pty Ltd

#### **Water Use Authorisations and External Auditing**

2019	Sheffield WWTW	Siza Water
	Eston Sugar Mill	Illovo Sugar (South Africa) (Pty) Limited
	Noodsberg Sugar Mill	Illovo Sugar (South Africa) (Pty) Limited
	Ixopo Clover	Dairy Farms of South Africa (Pty) Ltd.
2018	Integrated Water Use Licence Application for the UCL Company properties ; Uitmuntend Farm, Paardefontein Farm, Norton Heath Farm, Vogelvlei Farm	UCL Company (Pty) Ltd
	Izinga Residential Development Phase 2 (Izinga III): WULA	Tongaat Hulett Developments
	Mpumalanga Town Centre Housing - WULA	Pangea Consulting
2017	Elaleni Coastal Forest Estate	Cross Atlantic Properties
	Nonoti Housing Development	SMA Consultants
	Avondale Residential Development	Saxony Developments
	Clover Ixopo	Clover SA
	Groutville Bulk Sanitation Scheme (Ph 2)	Black Balance Projects for iLembe DM
	Eston Sugar Mill	Illovo Sugar (South Africa) Pty Ltd
2016	Avon Peaking Power Plant	Avon Peaking Power Plant (Pty) Ltd
	Bhamshela WWTW	Timocento (Pty) Ltd
	Avondale Residential Development	Saxony Developments
	Kwadukuza Crematorium	Kwadukuza Municipality
	Palm Lakes WWTW	Royal Palm Property Holdings
	Seaglen Dunes WWTW	Glenmore Seaside Resort Pty.
2015	Lower Thukela Bulk Water Supply Scheme	Black Balance Projects for iLembe DM
	Ixopo Clover Depot	Clover SA (Pty) Ltd
	Tugela Ferry Shopping Centre	Copperzone 163 (Pty) Ltd
	Groutville Bulk Sanitation Scheme (Ph 1)	Black Balance Projects for iLembe DM
	Birdhaven Residential Estate Development	Graham Trading & Investments
	Steve Biko Phase 2 Housing Development	SMA Consultants for KwaDukuza Municipality
	Mpophomeni Shopping Centre	Dymatron Pty Ltd
	Humberdale Landfill Site Phase 2 Expansion	Umdoni Municipality
	Jozini Regional Water Scheme	RHDHV
	Tugela Ferry Shopping Centre	Copperzone 163 (Pty) Ltd
	Gledhow Sewage Pipeline	Black Balance Projects for iLembe DM
	KwaDukuza Mall and Urban Precinct Development	Edison Property Group
	Greytown Bulk Water Supply Scheme Phase 2 – 35km	RHDHV for uMzinyathi DM

2014	Dunkirk Estate Club House	The Dunkirk Estate
	Lower Thukela Bulk Water Supply Scheme	Black Balance Projects for iLembe DM
	Zulti South Access Roads	RHDHV for Richards Bay minerals

### **Environmental Control Officer (ECO) and External Auditing**

2020	Elaleni Lifestyle Estate	Blue Gum Estate (Pty) Ltd
	Clairwood Logistics Park	Capital Propfund (Pty) Ltd
	Phase 1b Southern Regional Bulk Water & Sanitation Scheme	Escongweni Engineers for iLembe District Municipality
	The Executive Estate Monitoring	Golden Dividend 341 (Pty) Ltd
2019	Mpophomeni Shopping Centre	Dymatron Pty Ltd
	External Audit Umbogintwini Industrial Complex (Site 17 and 19)	AECI Limited
	Elaleni: Lush	Fire Wings (Pty) Ltd
	Elaleni: Morris Village	Four Arrows Investments II (Pty) Ltd
	Elaleni: Vines	Cross Atlantic Properties 65 (Pty) Ltd
2018	Willard's Beach	Nyeleti Consulting (Pty) Ltd.
	Thompson's Bay Beach	Nyeleti Consulting (Pty) Ltd.
	Compliance Audit in terms of the Water Use Licence for the Impenjati Farm	Doveton Farms
	KwaDukuza Mall - compliance audit License conditions	Edison Property Group
	The Executive – Compliance Monitoring & Reporting	The Executive
2017	Yzermyn Underground Coal Mine, Mpumalanga	Atha Africa Ventures
	Lower Thukela Regional Bulk Water Supply Scheme, KZN, Basic Assessments and Amendments	Black Balance Projects and Various Contractors for iLembe District Municipality
	KwaDukuza Mall and Urban Precinct Development	Edison Property Group
	Elaleni Coastal Forest Estate	North Global Properties
	Warehouse facilities in Woodmead Estate	Shree Property Holdings
	Avon Power Peaking Plant Monthly Water Monitoring and Reporting	Avon Power Peaking Plant
	Humberdale Landfill Site - Annual External Audit in terms of the WML	Mashalaba & Associates Consultants
2016	Jozini Regional Community Water Supply Scheme	Royal HaskoningDHV
	Oceans Umhlanga Hotel & Residential Development	Edison Property Group
	Water Monitoring for Ground and Surface Water for the Avon Peaking Power Plant	Avon Peaking Power Plant
	Lower Thukela Regional Bulk Water Supply Scheme	Black Balance Projects and Various Contractors for iLembe District Municipality
	Beema Bamboo to Energy Project External Audit	Green Grid Energy
2015	Msikaba Water Supply Scheme Phase 1	RHDHV for Ugu DM
	Greytown Bulk Water Supply Scheme Phase 2	RHDHV for uMzinyathi DM
	Warehousing Facility at Dube Trade Port	Shree Property Holdings
	Lower Thukela Regional Bulk Water Supply Scheme	Black Balance Projects for iLembe DM

2014	Tugela Ferry Shopping Centre, WWTW and PFS	Copperzone 163 (Pty) Ltd
	DTP Agrizone & Site Wide External Operational Audit	Dube TradePort Corporation
	Kranskop Bulk Water Supply Scheme	RHDHV for uMzinyathi DM
	Upgrade of Stream Crossing Structure on Mbozamo	SMA Consultants for KwaDukuza Municipality
	DTP Agrizone & Site wide external operational Audits	Dube TradePort Corporation
2013	Beema Bamboo Plantation Site (Bamboo to Energy project) ECO	Green Grid Energy
	88 Compensation Residential Beach Development - Ballito	Imali Corp / @ 88
	Gqolweni Road ECO	Umdoni Municipality
	Foxhill Church and Residential Development	M&C Janigh Trust
2012	Zinkwazi Desalination Plant	Umgeni Water
	Komati Water Pipeline ECO	Stefanutti Stocks / Cycad Pipelines
	Joymac Sand Mining ECO	Joymac Sand Sales
	Clover ECO	Clover, Ixopo
2011	Beema Bamboo Plantation Site (Bamboo to Energy project)	Green Grid Energy
	88 Compensation Residential Beach Development - Ballito	Imali Corp / @ 88
	Foxhill Church and Residential Development ECO	M&C Janigh Trust
	Umzinto Low Level Bridge BECO	Liquid Platinum
2010	AngloGold Ashanti External Legal & ISO 14001 Audits (Various Mines and Services)	AngloGold Ashanti
	Zinkwazi Desalination Plant ECO	Umgeni Water
2009	Blackburn Bridge ECO	SANRAL
	Zinkwazi Desalination Plant ECO	Umgeni Water
	Umdoni Flood Damage Repair Projects ECO	Umdoni Municipality

### **Water Quality Monitoring**

2018	Monthly Surface and Ground Water Monitoring for the Avon Power Peaking Plant	Avon Power Peaking Plant (Pty) Ltd
	KwaDukuza Mall - Groundwater and surface water monitoring	Edison Property Group
2017	Lower Thukela Regional Bulk Water Supply Scheme	Various Contractors for iLembe District Municipality
	KwaDukuza Mall and Urban Precinct Development	Edison Property Group
	Elaleni Coastal Forest Estate	North Global Properties
	Avon Power Peaking Plant Monthly Water Monitoring and Reporting	Avon Power Peaking Plant
	Birdhaven Residential development	Graham Trading and Investments Pty Ltd
2016	Oceans Umhlanga Hotel & Residential Development	Edison Property Group
	Lower Thukela Regional Bulk Water Supply Scheme	Black Balance Projects and Various Contractors for iLembe District Municipality
	Beema Bamboo to Energy Project	Green Grid Energy
	Avon Power Peaking Plant Monthly Water Monitoring and Reporting	Avon Power Peaking Plant

2015	Lower Thukela Regional Bulk Water Supply Scheme	Black Balance Projects and Various Contractors for iLembe District Municipality
2014	Tugela Ferry Shopping Centre, WWTW	Copperzone 163 (Pty) Ltd
2013	Beema Bamboo Plantation Site (Bamboo to Energy project)	Green Grid Energy
	88 Compensation Residential Beach Development - Ballito	Imali Corp / @ 88

### Waste Management

2017	Waste Management Authorisation Gauteng & KZN Enquiries, BA's, Category C Registration and Compliance Assessment	Plant Care Waste Management
	Humberdale Landfill Site (Annual External Audit since 2013)	Umdoni Municipality
	Mkondeni Medical Waste Facility (Bi-Annual External Audit since 2013)	Ecocycle Waste Solutions
2014-2016	Glencoe Landfill Site (Annual External Audit since 2014)	Anderson Vogt Engineers for Endumeni Municipality
2012-2014	Waste Management Procedure for Piggery	Mrs Mbalo
	Glencoe Landfill Site (Annual External Audit since 2014)	Anderson Vogt Engineers for Endumeni Municipality
2011	Humberdale Landfill Site (Annual External Audit since 2013)	Umdoni Municipality
	Waste Management License E-Waste	Sims
	Biodiesel BA (Waste Oil)	Enterprise Ilembe
2010	Municipal Material Recovery Feasibility Study, Eastern Cape	Nelson Mandela Bay Municipality
2009	Monitoring and Rehabilitation of BP tanker spill at Chase Valley, KZN	BP South Africa (Pty) Ltd
2008	Medical Waste Incinerator	Quadrotone
2004-2006	AngloGold Ashanti Waste Management System and EMS	AngloGold Ashanti

### Training

2016	PSR Landfill Training	PSR Logistics
	Environmental awareness programme to improve EMS performance- Site Supervisors	Stefanutti Stocks Civils KZN
2015	Environmental awareness programme to improve EMS performance – Site ESO's	Stefanutti Stocks Civils KZN
2010	Environmental Courses for Managers and Councillors – Local Municipality	Msunduzi Municipality
2006	Environmental Management Course for Managers	AngloGold Ashanti
	Waste Management Course	AngloGold Ashanti



### Carbon Footprint Analysis and Air Emissions Licenses

As Director, ensuring the deliverables of the appointment (sourcing, calculating, evaluating and compiling of the carbon footprint analysis), is met.

2018	Carbon Footprint Analysis for Dube Trade Port	Dube TradePort Corporation
	KwaDukuza Crematorium	KwaDukuza Municipality
2017	Umgeni Water Carbon Footprint Mapping	Umgeni Water
	Karbochem Holdings in Newcastle and Sasolburg	Karbochem
	Calculate direct and indirect emissions from the company	Hychem (Pty) Ltd
2016	Measure Carbon Emissions and provide updated baseline that would enable DTPC to quantify, monitor and assess carbon footprint and its climate change impact for DTPC	Dube TradePort Corporation
	KwaDukuza Crematorium	KwaDukuza Municipality
2015	Determine Greenhouse Gas emissions from the Mkondeni Medical Waste Facility activities	EcoCycle Waste Solutions
2010	Foundry Environmental Assessment & Authorisation	Yellow Star
	Umdoni Crematorium	Umdoni Municipality
2004-2006	AngloGold Ashanti Air Quality Management System and EMS	AngloGold Ashanti

### Cooperate Social Investments and Responsibility

2017	KwaDukuza Schools Recycling Programme with the Paper Recycling Association of South Africa (PRASA) and Glass Recycling Company	Triplo4 Sustainable Solutions, PRASA & GRC
	The Circle Waste Recycling	Triplo4 Sustainable Solutions
	Mandela 67minutes	Triplo4 Sustainable Solutions
	KwaDukuza Municipality Ward 28 Greening Project	Triplo4 Sustainable Solutions & KwaDukuza Municipality
	Participate in Grace Family Church Thanksgiving Bucket Programme	Grace Family Church
2016	Westbrook Ski Boat Club Waste Management	Triplo4 Sustainable Solutions & Westbrook Ski Boat Club
	The Circle Waste Recycling	Triplo4 Sustainable Solutions
	KwaDukuza Schools Recycling Programme with the Paper Recycling Association of South Africa (PRASA) and Glass Recycling Company	Triplo4 Sustainable Solutions, PRASA & GRC
	Mandela 67 minutes Orphan Fund Initiative	Triplo4 Sustainable Solutions
	Participate in Grace Family Church Thanksgiving Bucket Programme	Grace Family Church
2015	Bhamshela Community Glass Recycling Initiative	Triplo4 Sustainable Solutions
	Entrepreneurship Waste Recycling Programme with Local Women Waste Pickers	Triplo4 Sustainable Solutions
	KwaDukuza Schools Recycling Programme with the Paper Recycling Association of South Africa (PRASA) and Glass Recycling Company	Triplo4 Sustainable Solutions
	Arbour Day	Triplo4 Sustainable Solutions & KwaDukuza Municipality

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VAN DIE ORANJE-  
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HIERMEE WORD VERKLAAR DAT DIE GRAAD THIS IS TO CERTIFY THAT THE DEGREE

**Magister in Omgewingsbestuur**  
**Master in Environmental Management**

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HAS BEEN CONFERRED UPON

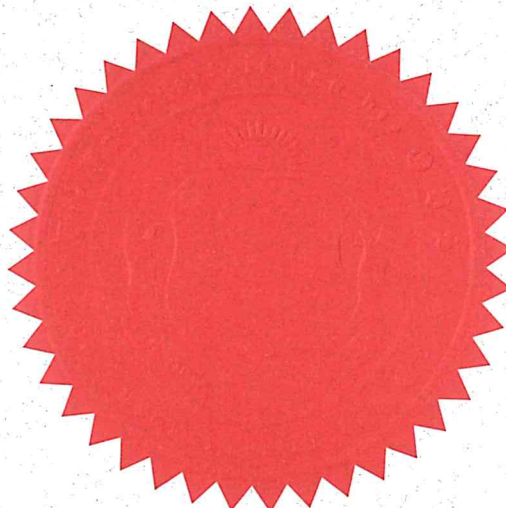
**ALETTA JOHANNA PLOMP**

MET LOF  
WITH DISTINCTION

NADAT AAN DIE STATUTE EN REGULASIES VAN IN ACCORDANCE WITH THE STATUTES AND  
DIE UNIVERSITEIT VOLDOEN IS. AS BEWYS REGULATIONS OF THE UNIVERSITY. AS  
DAARVAN PLAAS ONS ONS ONDERSKEIE WITNESS OUR RESPECTIVE SIGNA-  
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UNIVERSITEIT HIERONDER. UNIVERSITY BELOW.

VISEKANSELIER/VICE-CHANCELLOR

DEKAAN/DEAN



BLOEMFONTEIN  
2001-03-16  
1999323726

REGISTRATEUR/REGISTRAR



**herewith certifies that**  
**Aletta Johanna Plomp**  
Registration Number: 400026/01  
**is a registered 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 1 of the Act)  
Environmental Science (Professional Natural Scientist)

Effective 16 March 2001

Expires 31 March 2024



A handwritten signature in black ink, appearing to read 'A. V. ...', positioned above a horizontal line.

Chairperson

A handwritten signature in black ink, appearing to read 'N. ...', positioned above a horizontal line.

Chief Executive Officer





**Environmental Assessment  
Practitioners Association  
of South Africa**



Registration No. 2019/189

***Herewith certifies that***

**Aletta Johanna Plomp**

***is registered as an***

**Environmental Assessment Practitioner**

***Registered in accordance with the prescribed criteria of Regulation 15. (1)  
of the Section 24H Registration Authority Regulations  
(Regulation No. 849, Gazette No. 40154 of 22 July 2016, of the  
National Environmental Management Act (NEMA), Act No. 107 of 1998, as  
amended).***

Effective: 01 March 2023

Expires: 29 February 2024

Chairperson

Registrar

