

Annex A

Project Team CVs

Philip Johnson

Partner

Philip is a Partner and experienced project manager at ERM, with over 13 years of experience in managing environmental projects for a range of industrial clients. This has included overseeing environmental assessments for oil & gas, mining, manufacturing and commercial clients in Europe, Asia and the Middle East. Philip has completed contaminated land assessments, environmental audits, compliance reporting, and environmental impact assessments in a range of cultural diverse and challenging environments.



Email: philip.johnson@erm.com

LinkedIn: <https://www.linkedin.com/in/philip-johnson-147320b9/>

Education

- BSc. Environmental Management
Keele University, United Kingdom, 2003
- MSc. International Business
Royal Holloway, University of London, 2014

Professional Affiliations and Registrations

- Institute of Environmental Management and Assessment (IEMA); membership number 0134477
- Network for Industrial Contaminated Land in Africa (NICOLA)
- Australian Contaminated Land Association (ACLCA)

Fields of Competence

- Project management
- Contaminated site management
- Management of multi-site portfolios
- Environmental risk and liability assessments
- Environmental Due Diligence
- Environmental Management Plans

Key Industry Sectors

- Downstream petroleum
- Petrochemicals
- Petroleum Refining
- Manufacturing, Chemical and Pharmaceutical
- Mining
- Transport and Infrastructure

Key Projects with ERM

- **Data gap assessment and remediation appraisal, SABIC (Saudi Arabia Base Industrial Chemicals), Al Jubail, Saudi Arabia, 2018**
Responsible for assessment of ammonia contaminated groundwater at a methanol production facility in Al Jubail and implementation of remediation strategy. Project involved an initial data review and data gap analysis, before site characterization to enable the design of a remediation strategy for the site. A site visit was required as part of the project and involved meeting multiple project stakeholders, including representatives of the Royal Commission; the national Saudi regulator.
- **Environmental Site Assessment at a Liquid Mud Plant Fluids facility, Mtwara Tanzania, 2017**
Partner in Charge for an exit assessment at an industrial port site in Southern Tanzania, ERM completed a limited intrusive site investigation at a liquid mud plant fluids facility. The objective of the work was to evaluate the presence of any environmental impact related to operations at the site. The outcome of ERM's work informed the degree of likely impact at the site and whether additional intrusive assessment was required prior to exit from the site by current operators.
- **Environmental assessment support, Zuva Petroleum, Zimbabwe, 2017**
ERM delivered in-country training for environmental staff at Zuva Petroleum in order to allow Zuva to develop a programme of environmental assessment for their portfolio of assets. Technical support was provided to ERM's in-country facilitator in developing workshop content, and post-workshop support included preliminary review of Zuva's portfolio.
- **Litigation support, National Oilwell Varco (NOV), at a former waste facility, Tunisia, 2017/8**
As part of ongoing arbitration proceedings, ERM supported NOV in a legal dispute regarding environmental liability at a waste

facility in northern Tunisia. The project involved review of multiple historic site assessment reports in order to characterize the waste distribution and subsequent soil and groundwater contamination, and to build the legal case in support of NOV. ERM supported NOV's legal representatives through the project.

Key Projects Prior to Joining ERM

- **Environmental audit for iron ore mining operations, Cliffs Resources, Western Australia, 2014**
Completed environmental audits for a portfolio of three operational iron ore mine sites in Western Australia. The work was required in order to develop a risk register for management of operations at the sites and to implement measures to mitigate environmental risk identified.
- **Environmental appraisal of transport infrastructure design, City of Perth, Western Australia, 2013**
Coordinated an environmental impact assessment for proposed tunnel and rail infrastructure projects in for city of Perth. The project entailed working with the design and engineering teams in order to integrate environmental impact considerations into the initial design process.
- **Environmental Programme Manager, Shell, Kuala Lumpur, Malaysia, 2009 – 2011**
Country manager for environmental services provided to Shell retail, distribution and refinery sites across Malaysia. Responsible for six project managers and a total of twenty-five staff, undertaking site investigation, remediation and emergency incident response operations. Ensured that technical and health & safety expectations of the Malaysia programme was achieved, also responsible for procurement and performance of programme sub-contractors.
- **Environmental Management and Risk Management Plan, Port Dickson Refinery, Malaysia, Shell, 2010**

Developed an Environmental Management Plan (EMP) in response to known MtBE contamination to groundwater at Port Dickson Refinery, Malaysia. In extension to this initial work, a Risk Management Plan (RMP) was developed to implement necessary emergency leak response procedures applicable to the MtBE source at the site. The project included site investigation design, coordination of field teams for site investigation and periodic monitoring events, and development of risk-based monitoring triggers to address fluctuating contaminant concentrations.

■ **Environmental Site Assessment, BP, Rumaila Oil Field, Southern Iraq, 2010**

Part of a three-man team to undertake a due diligence and environmental assessment of the Rumaila oil field in Southern Iraq, prior to acquisition by British Petroleum. The work included an in-country evaluation of numerous production facilities and wellhead production sites in order to provide an environmental liability assessment in relation to operations at the field.

■ **Emergency spill response, Perak, Malaysia, Shell, 2010**

Coordinated the environmental element of the emergency response following a tanker spill incident in central Malaysia. Project involved rapid mobilization of field teams to a remote area of the Malaysian highlands in order to develop a conceptual site model for an area of rainforest impacted by a tanker roll over. Development of the CSM informed the necessary water sampling downstream and informed the likely affected receptors to be targeted in mitigation efforts.

■ **Product Recovery and Site validation, Chevron retail site, Johor Bharu, Malaysia, 2009**

Coordinated site investigation and product recovery resulting from an underground storage tank product loss in Johor Bharu, southern Malaysia. This emergency response project required immediate health and safety mitigation measures, with regard to potential direct exposure (dermal and inhalation) of site

workers. This was followed by a soil and groundwater investigation to delineate the extent of the spill, and the subsequent removal (of residual product and impacted soil). Following the initial investigation work, site validation confirmed suitability for ongoing use.

■ **Environmental Site Assessment and waste characterization, Pentridge Prison, Melbourne, Australia, 2009**

A comprehensive environmental site assessment completed at the site of the former Pentridge Prison, in order to assess the suitability of the site for a residential redevelopment. Works included a drilling programme, groundwater well installation, soil and groundwater analysis, and characterization of waste materials prior to landfill disposal.

■ **National environmental validation programme, PetroTec, New Zealand, 2008**

Responsible for the environmental assessment and validation reporting following removal and decommissioning of underground fuel tanks across New Zealand. As part of an asset replacement programme, project required coordination of all validation sampling, environmental analysis and reporting to ensure former fuel sites were validated and approved for respective future land use.

■ **Environmental Due Diligence, London UK, confidential finance client, 2007**

Project managed the due diligence assessment for an 84-site commercial portfolio (hotels). Project required environmental due diligence reporting for a portfolio transaction between two UK developers. Portfolio sold for £550 million (May 2006).

■ **Environmental Due Diligence, Munich, Germany, 2006**

Environmental audit of manufacturing facility in Munich. Conducted an environmental audit of a technical manufacturing plant as part of an international multi-site portfolio due diligence.

■ **Gas oil remediation, Watford, north London, confidential client, 2004**

Remediation for an industrial fuel spill in north London. Field representative, responsible for all site works and subsequent reporting to Environment Agency.

Stephanie Gopaul

Principal Consultant



Stephanie Gopaul is a Principal Consultant within ERM, based in Durban, South Africa. Upon obtaining a science degree in engineering and environmental geology, and Masters in Environmental Management, she was employed by the eThekweni Municipality in the air pollution division. Thereafter, Stephanie served at GCS (Pty) LTD as an Environmental Scientist before joining ERM. Stephanie has over ten years of experience in the field of environmental consulting.

Her fields of expertise include environmental authorisation processes (i.e. Basic Assessments, Environmental Impact Assessments, Environmental Management Plans, Integrated Water Use License, Integrated Water and Waste Management Plans in terms of South African environmental legislation and IFC performance standards). Additional, Stephanie has experience in closure costing reports, environmental auditing, due diligence, feasibility studies and environmental risk assessments.

Stephanie has managed projects for a number of public and private sector clients in the oil and gas, power utilities, renewable energy, industrial, mining and transport sectors. Her particular focus and area of expertise is in the South African market where she has managed various large-scale, multi-disciplinary and complex projects for companies including Shell, Sasol, Afrox, De Beers, Kangra Coal, Forbes Coal, Bidvest Tank Terminals, Vopak, etc.

Experience: >10 years' experience in environmental permitting, environmental management and project management.

LinkedIn: <https://www.linkedin.com/in/stephanie-gopaul-79473172>

Professional Affiliations & Registrations

- IAIA SA

Fields of Competence

- Environmental Impact Assessments,
- Environmental Management Programmes,
- Basic Assessments,
- Environmental audits and due diligence,
- Waste Management Licenses,
- Integrated Water Use License Applications,
- Integrated Water and Waste Management Plans (IWWMP),

- Environmental legal assessments;
- Environmental compliance monitoring,
- Mining and prospecting right applications,
- Public / stakeholder consultation and participation,
- Mine closure and closure cost estimations.

Education

- Masters in Environmental Management, University of the Free State, South Africa, 2012
- BSc Environmental and Engineering Geology, University of KwaZulu Natal, South Africa, 2005

Additional Education

- Water Quality Monitoring Short Course - GCS
- Environmental Impact Assessment Training 3-day Course – Metamorphosis Environmental Consultants;
- Intermediate/ Advanced Excel (ExecuTrain);
- Conflict resolution (Elsie Van Der Merwe)
- Project Management- University of the Free State;
- Hazardous Waste Course- IWMSA (Institute of Waste Management of Southern Africa)
- Environmental Managers as Leaders, Managers and Change Masters- University of the Free State;
- First Aid- Titan Medical; and
- Defensive Driving Course- MasterDrive.

Languages

- English, native speaker

Key Industry Sectors

- Point one
- Point two
- Point three
- Point four

Honours & Awards

- Oil and Gas
- Manufacturing
- Chemicals
- Mining

Key Projects

- Polihali Reservoir and Associated Infrastructure, (Lesotho), Lesotho Highlands Development Agency, 2018
Assistant Project Manager
Responsibilities include input into the Inception Report, co-ordination of specialists in terms of field visits and their reporting, compilation of the Environmental and Social Impact Assessment and Environmental Management Plan.
- Venetia Mine Waste Management Licence, De Beers, 2015-2017
Project Manager
Responsibilities included managing the Waste Management Licence in terms of specialists' co-ordination, public consultation, client liaison, report compilation and all financial aspects.
- Voorspoed Mine Closure SIA, De Beers, 2017
Project Manager
Responsibilities included managing the project from a schedule and financial perspective. Additional tasks included compiling the environmental baseline and impact assessment.
- On-Land Early Power Project, Department of Energy, South Africa, 2016
Project Consultant
Responsibilities include compilation of the application form, Scoping Reports, EIA and EMPs for this Gas to Power Project, located in Richards Bay, KwaZulu Natal.
- Floating Power Plant Project, Department of Energy, South Africa, 2016
Project Consultant
Responsibilities include compilation of the application form, Scoping Reports, EIA and EMPs for this Gas to Power Project, located in Richards Bay, KwaZulu Natal.
- Terminal Screening/ Scoping and EIA, Globeleq, South Africa, 2016 - ongoing
Project Consultant

Responsibilities include compilation of the application form, Scoping Reports, EIA and EMPs for this Gas to Power Project, located in Richards Bay, KwaZulu Natal.

- Teranga Mine Closure Plan, Teranga Gold Corporation, 2015
Project Consultant
Assisted in the compilation of the Mine Closure Framework and Mine Closure Plan in English for the Sabodala Gold Mine and regional exploration located in Senegal. The final documents were translated to French and submitted to the Government of the Republic of Senegal. This Closure Plan has been defined to meet Senegal's regulatory requirements, Teranga's Canadian-based principles and IFC standards for mine closure.
- Bakubung Platinum Mine Conceptual Closure Plan, Wesizwe Platinum Limited, 2015
Project Consultant
Compiled the Closure Plan for the Bakubung Platinum Mine located on the Western Limb of the Bushveld Igneous Complex, north of Rustenburg in the North West Province of South Africa. This Closure Plan has been defined to meet South Africa's regulatory requirements for mine closure.
- Marampa 9 ESIA, Sierra Leone, London Mining Plc., 2013- 2014
Project Manager
Responsibilities included managing the project in terms of specialist's co-ordination, report compilation and financial aspects.
- IPP Floating Power Plant, Department of Energy, South Africa, 2016 - ongoing
Project Consultant
Responsibilities include compilation of the application form, Scoping Reports, EIA and EMPs for this Gas to Power Project, located in the Port of Richards Bay, KwaZulu Natal.
- Shell Gess Programme, Shell, South Africa, 2013 - ongoing

Project Manager

Responsibilities included managing various (ERM has been awarded over 400 to date) Shell Gess projects including Environmental Licensing, Environmental Audits and Waste Management Licenses in terms of specialists co-ordination, public consultation, client liaison, report compilation and all financial aspects. List of selected Projects include:

- Alberton Water Use License;
- Assegai Motors Environmental Audit and EMP;
- Bailey and Maile EMP;
- Bargain Wholesalers EMP;
- Bayhead Road Compliance Motivation;
- Beverly Service Station Basic Assessment Process;
- Breede Valley Decommissioning Basic Assessment and ECO Audits;
- Caledon Depot Basic Assessment;
- Combined Transport Section 30 Application;
- Cosmo City Basic Assessment Process;
- Davenport Service Station Compliance Audit;
- Diepsloot Basic Assessment Process;
- Five Star Service Station Compliance Audit;
- Glebe Service Station Compliance Audit and ECO;
- Key Delta Basic Assessment Process and ECO;
- Mondi Basic Assessment Process and ECO;
- Montrose Service Station ECO;
- Masakhane Basic Assessment Process and ECO;
- Ntokozweni EMP and ECO;
- Philani Valley EMP and ECO;
- Quatro EMP;
- Summit Road Basic Assessment Process;
- Willie Street Basic Assessment Process;
- Witbank WULA;
- Mvoti Service Station WULA;
- Umfula Motors Basic Assessment Process.

- Vopak Growth 4 Basic Assessment, Vopak terminal, South Africa, 2017
Project Manager
Responsibilities included managing the project in terms of processes co-ordination, authority and

public consultation, specialist's co-ordination, report compilation and financial aspects.

- Kroonstad Terminal ECO, Chevron, South Africa, 2015
Project Manager
Responsibilities included co-ordinating the monthly ECO site visits, reviewing the monthly ECO compliance audits and overseeing the compilation and submission of the annual compliance report.
- Alrode Terminal ECO, Chevron, South Africa, 2015
Project Manager
Responsibilities included co-ordinating the monthly ECO site visits, reviewing the monthly ECO compliance audits and overseeing the compilation and submission of the annual compliance report.
- Alrode Depot Basic Assessment, Chevron, South Africa, 2015
Project Manager
Responsibilities included co-ordinating the project, reviewing the reports and overseeing the compilation and submission of the reports.
- Mageza Feasibility and Conceptual Remedial Design, Sasol Oil, South Africa, 2014
Project Manager
Responsibilities included managing and compiling a feasibility assessment and conceptual remedial design for the Mageza Filling Station based on the concept and associated costs of using wetlands for the removal of contamination.
- AFROX CIBE, AFROX, South Africa, 2013- 2014
Project Manager
Responsibilities included managing the project in terms of coordinating specialists, holding public consultation, acting as client liaison, report compilation and managing all financial aspects.

Key before joining ERM

- Utrecht Mine Compliance Assessment, Closure EMPR and IWULA, South Africa, Kangra Group (Pty) Ltd.
Project Manager

Responsibilities included team co-ordination and management of the compliance assessment and environmental licensing processes.

- Magdalena Colliery IWULA Compliance Audit, South Africa, Forbes Coal/ Zinoju Coal PTY Ltd.
Project Manager
Responsibilities included managing the project in terms of team co-ordination, public consultation, client liason, report compilation and all financial aspects of the project.
- Ballengeich Plantation Research and Development Project: phyto-remediation to address acid mine drainage, South Africa, Kangra Group (Pty) Ltd., 2011
Project Manager
Responsibilities included managing the project in terms of team co-ordination, client liason, report compilation, and all financial aspects of the project.
- Magdalena Colliery Integrated Water Use License Application, Water and Waste Management Plan and Supporting Documentation, South Africa, Forbes Coal/ Zinoju Coal PTY Ltd., 2010-2012
Project Manager
Responsibilities included managing the project in terms of team co-ordination, public consultation, client liason, report compilation and all financial aspects of the project.
- Aviemore Colliery Integrated Water Use License Application, Water and Waste Management Plan and Supporting Documentation, South Africa, Forbes Coal/ Zinoju Coal PTY Ltd., 2011.
Project Manager
Responsibilities included managing the project in terms of team co-ordination, public consultation, client liason, report compilation and all financial aspects of the project.

- Magdalena Colliery IWULA audit, South Africa, Forbes Coal/ Zinoju Coal PTY Ltd., 2012.
Project Manager

Responsibilities included managing the project in terms of team co-ordination, public consultation, client liason, report compilation and all financial aspects of the project.

- Utrecht Mine closure EMPR and IWULA, South Africa, Kangra Group (Pty) Ltd., 2012.
Project Manager
Responsibilities included managing the project in terms of team co-ordination, public consultation, client liason, report compilation and all financial aspects of the project until resignation from GCS.

Khosi Dlamini,

Consultant, Capital Project Support

Khosi Dlamini is a Consultant within ERM based in the Durban. She has three years of experience in the field of Environmental Consulting. During these years, she has been involved in a number of Environmental Impact Assessment (EIA) processes from the application phase, the scoping phase and into the impact assessment phase. She has also been involved in a number of Basic Assessment (BA) processes. The experience she has with EIA (as well as BA) processes is as per the South African legislation. During the course of the EIA processes, she has been involved in the legislated Stakeholder Engagement process for various projects. Furthermore, Khosi has good experience with the compilation of Integrated Water Use License Applications as well as the supporting Integrated Water and Waste Management Plan.



Experience: 4 years' experience in the Environmental Consulting sector

Education

- Short course in Occupational Health and Safety, University of Cape Town, 2019
- BSc Honours in Environmental Sciences, University of KwaZulu-Natal – Pietermaritzburg, 2013
- BSc Environmental Sciences, University of KwaZulu-Natal – Pietermaritzburg, 2012

Languages

- IsiZulu
- English

Fields of Competence

- Environmental Authorisation (EA) Application
- Mining Right Application
- Prospecting Right Application
- Stakeholder Engagement Process
- Scoping and EIA Reporting
- Environmental Management Programme report (EMPr)
- Section 102 Amendment Report;
- Environmental Control Officer (ECO) Audits
- Integrated Water and Waste Management Plan (part of water use license application process)

Key Industry Sectors

- Mining and Minerals
- Waste Management
- Power
- Oil and Gas

Honors and Awards

- 2012: Certificate of Merit with Distinction for Environmental Sciences
- 2018: Environmental Resources Management Service Excellence Award

Key Projects

Environmental Impact Assessment Process for the construction of Solar PV panels at a mining site, Confidential Client, South Africa, 2017

Consultant

Khosi was involved with the compilation of the Scoping and EIA Reports for the development of a Solar PV plant within a Mining Right Area. A full stakeholder engagement process was also conducted as per NEMA EIA Regulations. During this process Khosi administered the development of the stakeholder database, the notification of all Interest and Affected Parties of the project, and coordination of the required public meetings.

ECO monthly audits during the construction of a new service station, Shell, South Africa, 2017

Environmental Control Officer

Shell is constructing a new service station at Lazonia in Gauteng. They have existing authorization including and EA, WUL and EMP. Khosi has been involved in conducting monthly ECO audits at this construction site, auditing the construction phase activities against the abovementioned authorisations. After the audit was conducted, reporting on the audit findings was done.

Water Use Licence Application (WULA) and associated Integrated Water and Waste Management Plan (IWWMP), Shell, South Africa, 2017

Consultant

Shell Downstream South Africa (Pty) Ltd (Shell) has triggered water uses under the National Water Act for their Fuel Depot in Witbank, South Africa. Khosi was involved in the completion of the WULA and compiling the associated IWWMP for submission to the competent authority.

Environmental Impact Assessment for the Exploration Drilling within Block ER236, off the East Coast of South Africa, 2017-2018

Consultant

Eni South Africa BV (Eni) have proposed to do exploration drilling to determine whether there are

enough hydrocarbons under the seabed to undertake further development. Khosi's involvement in this project was primarily with the stakeholder engagement process.

Basic Assessment (BA) for the Installation and Operation of a Waste Water Treatment Plant (WWTP), Biogas Storage, and Storage of Diesel Above Ground Storage Tanks (AST's)

Consultant

Distell Group Limited (Distell) have proposed to construct and operate a WWTP, Biogas Storage and the storage of Diesel AST's at the existing Distell site in Springs, Gauteng. Khosi was assisting in the compilation of the BA report as well as the WULA and supporting IWWMP.

Key Projects Prior to Joining ERM

Coordination and Administration of Waste Management Solutions for Private Schools and FMCG Companies, South Africa, 2016

Project Coordinator

Khosi was tasked with administering to clients who required waste management solutions from recycling to the treatment of hazardous waste. Monthly sustainability reports were compiled for respective companies, as well as waste handling training for onsite staff members.

Environmental Impact Assessment for the Reclamation of Tailings Storage Facilities, Sibanye Gold Limited, Gauteng, South Africa, 2015

Consultant

Khosi was involved with the compilation of the scoping and EIA reports for 2 of the 4 sites which Sibanye Gold Limited wanted to reclaim. There was a large specialist team which needed to be managed and administered to. The project required an extensive stakeholder engagement process to be undertaken.

Environmental Impact Assessment for Phase 2 of the Tweefontein Road Realignment Project,

**Glencore Operations South Africa (Pty) Ltd,
South Africa, 2015**

Consultant

A full EIA process was undertaken for the realignment of the Tweefontein road for access into the Glencore Tweefontein opencast coal mining operations. An extensive stakeholder engagement process was undertaken, where adverts were placed in the surrounding communities and a public meeting was held. Khosi was tasked with the compilation of the scoping and EIA reports, and she also assisted with the stakeholder engagement process.

**ECO technical audits for the handling of waste,
Sappi Ngondwana Mill, South Africa, 2015**

Environmental Control Officer

Sappi Ngondwana Mill (Sappi) generates a lot of waste, which is collected and used by contractors as by products. Site visits were done at the contractor sites, to conduct technical audits against Sappi's standards, for the handling of Sappi's waste. Once this was done, reporting on the audit findings was done and submitted to Sappi.

**Section 102 EMP Amendment, Spitzkop Coal
Mine Msobo Coal (Pty) Ltd. South Africa, 2014
– 2015**

Consultant

Msobo Coal (Pty) Ltd proposed to expand their co-disposal discard dump, thus requiring a Section 102 Amendment process to be undertaken. New specialist studies were required given the expansion. A basic level stakeholder engagement process and various meetings with the competent authority were also undertaken.

Amishka Mothilal

CLE – Technician

Amishka is a CLE - Technician based in Durban with one year of experience in Environmental Consulting and three years of experience in Agriculture, Environmental and Climate Change Project Coordination and Skills Development.

Amishka has been involved in Environmental Impact Assessment (EIA) processes, which includes Authorisation Applications; Scoping phase and the Impact Assessment phase, Basic Assessment (BA) Processes, Environmental Authorisation Applications, Stakeholder Engagement, Public Participation tasks and Environmental Compliance Screening and Risk Assessments.



Experience: 1 year of experience in environmental consulting

LinkedIn: <https://www.linkedin.com/in/amishka-mothilal-593577149>

Fields of Competence

- Environmental Impact Assessments (EIAs)
- Basic assessments (BAs)
- Environmental Management Plans (EMPs)
- Environmental Authorisation (EA) Applications
- Stakeholder Engagement Processes
- Compliance Risk Screening

Education

- Bachelor of Science Honours (BSc Hons), Environmental Management, University of South Africa, South Africa, (In Progress)
- Bachelor of Science (BSc), Environmental Science, University of Kwa Zulu Natal, South Africa, 2016

Languages

- English, native speaker
- Afrikaans, basic

Key Industry Sectors

- Oil & Gas
- Mining & Mineral
- Chemical
- Construction and engineering
- Petroleum

Honours and Awards

- Certificate of Merit in Soil Erosion and Land Degradation – 2016
- Certificate of Merit in Impact Mitigation and Management – 2019

Key Projects

- **Environmental Impact Assessment for Submarine Telecommunications Cable, Durban, South Africa, Confidential Client, 2018 - Ongoing**
Project is confidential
- **Environmental Impact Assessment for Exploration Drilling, South Africa, Confidential Client, 2018**
ERM was contracted to undertake the ESIA for Exploration of oil. Amishka supported the project by engaging in public participation tasks, recording and responding to comments received from interested and affected parties.
- **Basic Assessment for the Dow New Germany Poly Urethane Systems House Expansion Project, 2018 - Ongoing**
BA application for an Environmental Authorisation for the construction of a new storage tank, isotainer, blender and associated support infrastructure at the New Germany site, Durban, South Africa.
- **Basic Assessment for the Decommissioning of Fuel Storage Tanks , 2018 - Ongoing**
BA application for an Environmental Authorisation for the decommissioning of eight fuel storage tanks within a mining complex in Kleinsee, Northern Cape, South Africa.
- **Basic Assessment for the Decommissioning of The Dom Pedro Complex , 2019 - Ongoing**
Updated the BAR and Environmental Management Programme for the decommissioning of the Dom Pedro Complex in Port Elizabeth, South Africa.
- **Environmental Impact Assessment for Seismic Surveys, Angola, Confidential Project, 2019**
- **Basic Assessment for the Development of the Bhangazi Cultural Heritage Lodge within the iSimangaliso Wetland Park, 2019 - Ongoing**
BA application for an Environmental Authorisation for the construction of a the Bhangazi Cultural Heritage Lodge within iSimangaliso Wtland Park, St Lucia South Africa.
- **Compliance Risk Screening for Shell GESS Downstream, South Africa, 2019**
Legislative compliance screening assessment of 407 Shell service stations in South Africa.



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:	DEA/EIA/
Date Received:	

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

Lodge development at Lake Bhangazi; iSimangaliso Wetland Park

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

1. **ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION**

EAP Company Name:	Environmental Resources Management (ERM) Southern Africa (Pty) Ltd.		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	Percentage Procurement recognition	
EAP name:	Stephanie Gopaul		
EAP Qualifications:	Masters in Environmental Management, BSC. Engineering and Environmental Geology		
Professional affiliation/registration:	EAPSA and IAIA SA		
Physical address:	Suite S005 17 The Boulevard Westway Office Park Westville 3635 Durban South Africa		
Postal address:			
Postal code:	3635	Cell:	0837784904
Telephone:	27 31 265 0033	Fax:	
E-mail:	Stephanie.gopaul@erm.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, Stephanie Gopaul 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;



Signature of the Environmental Assessment Practitioner

Environmental Resources Management (ERM) Southern Africa (Pty) Ltd.
Name of Company:

26.08.2020

Date

3. UNDERTAKING UNDER OATH/ AFFIRMATION

I, Stephanie Gopaul, 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

Environmental Resources Management (ERM) Southern Africa (Pty) Ltd.
Name of Company

26.08.2020

Date

COMMISSIONER OF OATHS (RSA)
LEANNE GIBBONS CA (SA)
Membership No: 08194702
21 Kyalami Terrace
Springwell Avenue
Willaway
1684



Signature of the Commissioner of Oaths

26/08/2020
Date

CURRICULUM VITAE: SAMANTHA MOODLEY

Position	Director
Employer	ThembeKa Environmental Consulting Pty Ltd
Gender	Female
Nationality	South African
Ethnic Group	Indian
Language	English
Drivers Licence	Code 08

Contact Details

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Professional Profile

A highly competent Environmental Consultant with more than 10 years' experience and advanced knowledge in the global environmental and engineering fields, predominantly in oil and gas, infrastructure development, industrial developments, minerals and metals. Successful track record in environmental permitting processes, managing specialists, project budgets, project management, conflict resolution, project administration, interfacing with other disciplines, environmental strategy and policy, environmental and related legislation (South African and international) and public participation processes. Successfully led and contributed to ESIA's for large multi-disciplinary projects and accomplished in producing sound scientific reports that are understandable to non-technical stakeholders. Strong communicator with project and technical teams, client, authorities and public role-players.

Education

2005 University of KwaZulu Natal B.Soc. Sc. Honours (Geography and Environmental Management)
2004 University of KwaZulu Natal Bachelor of Social Science (BSocSc) (Geography and Environmental Management)
2001 Crystal Point Secondary School Grade 12 (Matric) <i>*Head Prefect (2001)</i> <i>*Valedictorian for Class of 2001</i> <i>*President of Student Representative Council (2000)</i>

Professional Courses / Training

<ul style="list-style-type: none"> Project Management, Environmental Resources Management / 2010 Environmental Law Update / 2009 Public Participation, Planning for Effective Public Participation and Communication for Effective Public Participation / IAIA / 2007
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Professional Registrations / Memberships

<ul style="list-style-type: none"> International Association for Impact Assessment (IAIAsa).

Computer Skills

<ul style="list-style-type: none"> Microsoft Office (Word, Excel, PowerPoint) MS Project 	<ul style="list-style-type: none"> MS Publisher
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Areas of Expertise

<ul style="list-style-type: none"> Environmental and Social Impact Assessments according to international best practice standards, i.e. IFC Performance Standards. Technical report writing including: scoping reports; environmental and social impact assessment reports; environmental management plan reports and amendments; inception reports; status quo reports; desired state reports; environmental management framework reports; strategic environmental assessment reports; performance assessment reports; ecological specialist reports. Project Management. Infrastructure experience (port and marine terminals, industrial plants, rail and road).

- Business Integration (environmental engineering sustainability).
- Public participation processes including: communication strategies; stakeholder's analysis; background information documents, issues and responses reports; feedback stakeholders during public and focus group meetings
- Identifying key environmental attributes, opportunities and constraints.
- Sensitivity analyses and sustainability assessments.
- Strategic environmental management plans.
- Global experience (Botswana, Mozambique, Malawi, Nigeria, Zimbabwe and South Africa).
- Coordinating and managing specialists including developing terms of references, managing information needs, organising site visits, reviewing reports.
- Coal mining experience (Mozambique, Botswana and South Africa).

Career Summary

ThembeKa Environmental Consulting (Pty) Ltd Johannesburg and, Durban, South Africa	• Director	2016- Present
DMT-Kai Batla Pty Ltd Johannesburg, South Africa	• Manager: Environmental Unit	2015-2016
Fourth Element Consulting (Pty) Ltd Johannesburg, South Africa	• Manager: Environmental Division	2014
Hatch Goba (Pty) Ltd Johannesburg, South Africa	• Environmental Advisor	2011 – 2013
ERM Southern Africa Johannesburg, South Africa	• Senior Environmental Consultant	2006 – 2011

Business and Project Management

- Pro-actively seeking out additional opportunities with the various parties involved in projects.
- Managing budgeting, work planning, team briefing, progress monitoring, financial monitoring, invoicing, reviews and QA/QC.
- Managing and contributing to high quality, successful proposals over the last 8 years.

Authorisation Permitting Studies

- Authoring and/or project managing a variety of environmental authorisations processes.
- Successfully undertaking EIAs for a range of projects across a number of sectors all over Africa.
- Excellent understanding of the legislative requirements associated with EIAs as well as an understanding of the in-country, South African and provincial regulatory and permitting processes.
- Fostering good relationships with competent authorities as well as local authorities in South Africa.
- Assisting clients in ensuring that projects meet international environmental and social assessment standards (including those of the IFC, World Bank, the African Development Bank (AfDB) and JBIC and others).
- Applying expertise to assist in the development of bankable projects in compliance with the Equator Principles and IFC Performance Standards in the last 2 years. This includes working for project developers seeking finance from the Equator Principles Financial Institutions as well as acting on behalf of project lenders in reviewing project compliance against the Equator Principles.

Engineering Interface

- Experience in working alongside engineering design teams in applying the required environmental assessment methodologies, at the appropriate time within the project life cycle process, providing her with the ability to recognise potential gaps that need to be addressed during the EIA and allowing for improved integration of information between the EIA project team and the engineering design team. This experience allowed her to manage potential EIA schedule delays by detailed planning and communication of required engineering inputs to the EIA and identification of tasks which can be advanced independently of the engineering design.
- Providing a managed interface between clients, engineering design teams and environmental assessment practitioner to facilitate the effective integration of environmental considerations into the design and planning processes.

Global Work experience

- Worked on Projects in: Botswana, Mozambique, Malawi, Zambia, Zimbabwe, Nigeria and South Africa.
- Proposals prepared for: Botswana, Brazil (Sao Paulo), Canada, Democratic, Lesotho, Liberia, Malaysia, Mozambique, Malawi, Namibia, Sierra Leone, Swaziland, Zambia, Zimbabwe and South Africa.

Technical Papers, Conferences and Seminars

- Kamal Govender, Stuart Heather-Clark, Samantha Moodley, EIA for coal barging on the Zambeze River: A successful EIA, IAIA 11, Mozambique, 2011.

Key Strengths

- Strong prioritisation and time management skills with particular focus on meeting deadlines.
- Able to manage multiple projects simultaneously in a team environment.
- Track record for meeting timelines and meeting expectations.
- Responds quickly to changing situations and works well under pressure while maintaining individual team effectiveness.
- Able to cope with ambiguity, contradiction, stress and uncertainty.
- Attention to detail, planning, organisation and daily delivery requirements.
- Excellent internal and external negotiation skills with ability to engage and influence clients.
- Good interpersonal skills - works well with others, motivates and encourages.
- Solid judgment and management skills to effectively deal with people's needs/issues.

Endorsements

"...She **worked well in a multidisciplinary team environment** as well as **on her own**. At the end of her largest assignment, she was **commended** by her client for **excellent work**. She **contributed** to all areas of the business and **was always ready to offer assistance** to others when it was needed. Her colleagues in the environmental practice **respected her knowledge and experience...**" *Paul Furniss, Practice Lead, Hatch Goba (Pty) Ltd*

"...**Good work ethic**. She **dedicates time and effort** to producing **good quality** and **meeting deadlines**. Sam **takes ownership** for tasks given to her and **sees them through to completion**. She is **experienced** enough to **provide solutions to problems** and discusses options where she feels she needs guidance. Sam is **dedicated to growing and developing** as a consultant. She is **happy to challenge herself** to do better. Importantly, Sam **remains calm under pressure**. *Kamal Govender, Principle Consultant, ERM*

References

Available on request.

Key Project Experience

Oil and Gas Projects

EIA for NEMA Rectification Applications, Shell SA, Western Cape and Gauteng, 2006, Project Consultant

This project entailed the completion of the National Environmental Management Act (NEMA) Rectification Applications for above and below ground fuel storage sites. Responsibilities included coordinating the public consultation as well as the project report write-up for multiple sites

Proposed aboveground storage facility and baghouse at ArcelorMittal, Vanderbijlpark Works, 2008, Assistant Project Manager

Appointed to undertake a Basic Assessment process for an aboveground storage facility and baghouse emission abatement technology for ArcelorMittal's Sinter Plant.

EIA for underground storage tank at Mafube Colliery, 2008, Project Manager

Appointed to undertake a Scoping/ EIA process for a proposed underground storage tank at Mafube Colliery

Mafube Coal Mining BA for AST installation 2010, Project Manager

Appointed to undertake a Basic Assessment for the proposed installation of aboveground storage tanks at Mafube Colliery, Middelburg, Mpumalanga Province

ENGEN London Rd EIA 2009-Ongoing, Project Manager

Appointed to undertake an EIA for the proposed construction of two filling stations at the N3/London Road intersection, Gauteng.

Vodacom EA Audit 2009, Project Manager

Appointed to undertake an environmental audit of the Environmental Authorisation for the installation of bulk above ground storage tanks at the Vodacom 6 Development in Midrand, Gauteng.

Chevron ERP and EMP for depot at OR Tambo 2009, Project Consultant

Appointed to undertake an EMP and ERP for bulk fuel off-loading at the rail siding near OR Tambo Airport, Gauteng.

ENGEN Filling Station EIA, Ventersdorp EIA 2010, Project Manager

Appointed to undertake an EIA for the proposed construction of an Underground Storage Tank (UST) at the Voorwaarts Filling Station in the North West Province

Mining Projects

Klinkerstene Mining Right Application, Platinum Waste Resources (Pty) Ltd Mpumalanga, South Africa, 2014-2015, Project Manager

Appointed to manage the Environmental Impact Assessment process for the PWR Mining Right Application. Key responsibilities on the project included compilation of the Scoping Report, Environmental Management Programme and Environmental Impact Assessment Report. Planned, coordinated, and facilitated the public participation process.

Order of Magnitude Study for Rio Tinto Iron and Titanium - TiO₄ Program, Mozambique, 2011

Hatch was appointed by Rio Tinto Mining and Exploration Limited (RTME) to conduct the OMS for the proposed mineral sand mining project in Mutamba, Mozambique. Key responsibilities on this project included reviewing the environmental requirements in terms of the permitting as well as design standards associated with the project.

Environmental, Social and Health Impact Assessment (ESHIA) of the Mmamabula Coal and Power Station in Botswana for CIC, 2006-2009, Project Consultant

CIC required an integrated ESHIA to be undertaken for a new coal mine and power station in south eastern Botswana. This ESHIA was required to meet the IFC Performance Standards. This is a multifaceted project which has a number of EIAs being conducted parallel to each other. Assisted with compiling ESHIA for the entire project, Compiled the Environmental Awareness Plan, assisted with other Management Plans, and overall project management.

ESIA for proposed Sheba's Ridge Mine, 2007-2008, Project Consultant

The project involves the development of a large, greenfield open pit nickel and copper mine and processing plant in Limpopo Province, South Africa. The ESIA was guided by Equator Principle and IFC requirements. Designated as the coordinator for the public participation process and was involved with managing stakeholder database, interacting with stakeholders and the writing up of documentation required for public participation process.

Project Mafutha Environmental Baseline Study, South Africa, 2008, Assistant Project Manager

Project Mafutha comprises a coal-to-liquid plant, a coal mine a town, water supply infrastructure and associated activities. As part of the pre-feasibility studies for Project Mafutha, ERM was appointed to undertake the Environmental Baseline Assessment. The project required delicate managing, in light of stakeholder expectations, the client's ongoing property purchasing negotiations, client's prospecting activities, and a related basic assessment for road construction and widening (also being undertaken by ERM). Managing a multi-disciplinary team of specialists, managing a desktop and detailed assessment and managing the public participation aspect required integration of different expertise and project components. The timeframe

was short (12 months) and required innovative solutions to run processes in parallel to deliver on time.

Mafube EMPR Revision 2010, Project Manager

Appointed to undertake a revision of the EMPR for Mafube Colliery, Middelburg, Mpumalanga Province as per a Directive issued by DMR.

Anglo Prospecting EMP 2010, Project Manager

Appointed to undertake an EMP for prospecting activities carried out by a mine in Rustenburg. The EMP involved researching environmental and social impacts of prospecting activities as well as providing adequate mitigation measures for these impacts.

Coal of Africa Due Diligence, South Africa

Coal of Africa, 2011, Project Consultant

ERM was appointed Coal of Africa Limited to undertake an independent International Finance Corporation and Equator Principles review of the proposed Makhado Colliery Project in the Limpopo Province, South Africa. This includes a review of all environmental and social factors to determine overall conformance with IFC performance standards.

Adelaide Ruiters Mining & Exploration, Basic Assessment for a Prospecting Right Application for the Exploration of Phosphate and Limestone Ore Deposits in Saldanha Bay, Western Cape, 2016, EAP

Appointed as a sub-contractor by DMT-Kai Batla to oversee the relevant permitting process and to provide technical guidance to the project team. A key responsibility on the project is to undertake QA/QC of project deliverables by undertaking technical review.

Prospecting Rights Audits, Western Cape, Auditor, Adelaide Ruiters Mining & Exploration, 2016

Appointed as a sub-contractor by DMT-Kai Batla to undertake the biennial Environmental Performance Assessment reviews and revision of the quantum for financial provision, in terms of the MPRDA, for prospecting operations.

Samancor Cr², Basic Assessment Report and Environmental Management Programme Report for Application for A Chrome Ore Prospecting Right on Groenfontein 138 JP Portion 3, Environmental Assessment Practitioner (EAP), 2016

Appointed as a sub-contractor by DMT-Kai Batla to oversee the relevant permitting process and to provide technical guidance to the project team. A key responsibility on the project is to undertake QA/QC of project deliverables by undertaking technical review.

Samancor Cr²: Performance Assessment for prospecting on Farm Zandfontein 447 JQ in terms of the Mineral and Petroleum Resources Development Act (No. 28 of 2002- MPRDA) Environmental, in the North West Province, 2017

Appointed as a sub-contractor by DMT-Kai Batla to undertake the biennial Environmental Performance Assessment reviews and revision of the quantum for financial provision, in terms of the MPRDA, for prospecting operations.

Samancor Cr²: Environmental Performance Assessment for prospecting on Farm Maresburg 8JT, in terms of the MPRDA) Limpopo Province, 2017, Environmental Auditor

Appointed as a sub-contractor by DMT-Kai Batla to undertake the biennial Environmental Performance Assessment reviews and revision of the quantum for financial provision, in terms of the MPRDA, for prospecting operations.

Samancor Cr²: Environmental Performance Assessment for prospecting on Farm Scheiding 407KS, Limpopo Province, in terms of the MPRDA, Environmental Auditor, 2017

Appointed as a sub-contractor by DMT-Kai Batla to undertake the biennial Environmental Performance Assessment reviews and revision of the quantum for financial provision, in terms of the MPRDA, for prospecting operations.

Samancor Cr² Basic Assessment Report and Environmental Management Programme Report for Application for a Chrome Ore Prospecting Right on Elandsfontein 402 KQ, 2017-2018, EAP

Appointed as a sub-consultant by DMT-Kai Batla to oversee the relevant permitting process and to provide technical guidance to the project team. A key responsibility on the project is to undertake QA/QC of project deliverables by undertaking technical review, client liaison, planning and overseeing the public participation process.

Samancor Cr² Evaluation of the Quantum for Rehabilitation-Related Financial Provision for the Prospecting Right held by Samancor Chrome over the farm Turffontein 462 JQ, North West Province Environmental Auditor, 2017-2018

Appointed as a sub-contractor by DMT-Kai Batla to undertake the biennial Environmental Performance Assessment reviews and revision of the quantum for financial provision, in terms of the MPRDA, for various prospecting operations in the Limpopo and the North West Provinces.

Infrastructure Projects

Kudumatse Wellfield EIA for Mmamabula Energy Project, 2007-2008, Project Consultant

Specific responsibilities for this project included working with specialists to ensure that the different environmental and social impacts of the project were carefully considered. Involvement in the public participation process of the EIA included holding meetings with relevant authorities and potentially affected communities. Further responsibilities included drafting of the Terms of Reference and EIS.

Railway Link and Services Corridor EIA for Mmamabula Energy Project, 2007 to 2008, Assistant Project Manager

Appointed to undertake EIA process for a proposed railway line, road upgrade and water supply pipelines as part of the Mmamabula Energy Project in Botswana. Key roles on this project included management of specialists and compilation of ESIA.

Basic Assessment for Road Construction and Widening, South Africa, 2008, Assistant Project Manager

Appointed to undertake a Basic Assessment for a proposed road construction and widening project to facilitate bulk sampling as part of clients' prospecting activities.

Riversdale Coal Barging Project, Phase 1, Mozambique, 2009, Project Consultant

Appointed to undertake a baseline sensitivity analysis of the proposed Zambezi River Coal Barging project with a view to identifying baseline sensitivities and potential fatal flaws.

ESIA for Riversdale Zambezi River Coal Barging Project, Mozambique, 2009 to 2011, Assistant Project Manager

The ESIA is to meet the Mozambican regulatory requirements as well as best practice as defined by the IFC Performance Standards. Key responsibilities on this project include regular interaction with client, managing a suite of specialists, budget control and compiling necessary reports.

Beira Coal Terminal EMP, Mozambique Vale, 2011, Project Consultant

A comprehensive construction and operational Environmental Management Plan was prepared for Vale for the proposed coal terminal located at the Port of Beira, Mozambique.

EIA for Riversdale Beira Transshipment Project, Mozambique, 2010 to 2011, Project Manager

The EIA is to meet the Mozambican regulatory requirements. Key responsibilities on this project include regular interaction with client, managing subcontractors, budget control and compiling necessary reports

FEL 2 and FEL 3 Studies for Expansion of Terminal de Carvão da Matola Lda ("TCM") at Port of Maputo, Mozambique, 2011-2013, Environmental Manager.

Hatch Africa (Hatch) was appointed by Grindrod Terminals to carry out investigations for the proposed new coal terminal which will be developed and constructed in two phases. Samantha served as the Environmental Manager on the Project in which she managed the environmental requirements related to the expansion of Matola's TCM Facility. This involved compiling of project Environmental design criteria which are needed to guide the Project Technical Team during the

planning phases and design work, interfacing and coordinating with engineering disciplines, management of the EAP undertaking environmental authorisation process (Environmental and Social Impact Assessment), managing of monitoring programmes, report review, construction management in terms of environmental compliance, as well as ensuring environmental best practice is applied to the expansion in feasibility and during project execution.

Vereeniging City Urban Design Framework, Gauteng Provincial Government, 2012-2013, Environmental Specialist

Appointed to as environmental specialist to inform the project design approach. Key responsibilities on this project involved addressing the environmental and social sectors, which includes the development of environmental and social inputs to the Status Quo report and the development of environmental and social sector plans. In addition to the sector specific input, sustainability input to the integrated visioning and sector planning process was provided.

Eskom Ermelo to Majuba Power Station – Coal Transport System and the 88kV Chikadee Power line: WULA Audit on behalf of Hatch (Ltd), 2016, Project Director

Appointed by Hatch (Ltd) as an independent external auditor to undertake the External Annual Compliance Audit on the Water Use Licences associated with the Ermelo to Majuba Power Station Coal Transport System and the Ermelo to Majuba Power Station 88 kV Chickadee power line.

Umgeni Water Basic Assessment and Water Use License Application (WULA) for the Installation of a Hydropower Pipeline on Phase 2 of Mooi-Mgeni Transfer Scheme, KwaZulu-Natal, Current, Technical Director, 2015-current

Retained by DMT-Kai Batla to manage the environmental permitting process and to provide technical guidance to the project team. A key responsibility on the project is to undertake QA/QC of project deliverables by undertaking technical review.

Masilonyana Local Municipality Basic Assessment and Water Use License Application for the construction of a 3.5km Stormwater Channel in Masilonyana Local Municipality, Project Director, 2016

Appointed by DMT-Kai Batla to oversee the environmental permitting process and to provide technical guidance to the project team. A key responsibility on the project is to undertake QA/QC of project deliverables by undertaking technical review.

BMK Engineering Consultants, Basic Assessment for the construction of the Jabulani-Molapo Bridge, Gauteng, South Africa, 2016, EAP

Key responsibilities on the project were to provide technical guidance to project team; conduct

technical review of all project outputs by undertaking QA/QC; liaising with engineering team to ensure integration of environmental management processes into the planning and design of the facility; planning and overseeing the public participation process and the stakeholder consultation on the project, reviewing and approving the BAR, EMP and WULA Technical Reports.

eThekweni Municipality Basic Assessment and General Authorisation Application for the Proposed Re-Routing of a 600 mm Ø Rising Main from Hazelmere Water Treatment Works to Grange Reservoir, 2017, EAP

Appointed as a sub-contractor by DMT-Kai Batla to undertake the basic assessment for the proposed project. Key responsibilities on the project are to provide technical guidance to project team, liaising with relevant state departments, and to undertake technical review of all project outputs.

Johannesburg Roads Agency Water Use License Applications for three proposed pedestrian bridges in Diepsloot, Kalfontein and KLipspruit, 2017-2018, EAP

Appointed as the EAP to undertake the WULA processes on behalf of the Johannesburg Road Agency (JRA) for the construction of a pedestrian

Basic Assessment for the Proposed Construction of Apron Stands and Expansion of the Bravo Taxiway at King Shaka International Airport, KwaZulu-Natal Province, ACSA, 2017-2018

Appointed as a sub-contractor by DMT-Kai Batla to undertake the basic assessment for the proposed project. Key responsibilities on the project are to provide technical guidance to project team and to undertake technical review of all project outputs.

Construction of Apron Stands and Expansion of the Bravo Taxiway at King Shaka International Airport, KwaZulu-Natal Province, Environmental Control Officer (ECO), 2018-2019

Responsible for monitoring all activities on the development site and ensuring that all contractors comply with the requirements of the conditions as stipulated in the environmental authorisation as well as the requirements (as outlined in the EMP). On the site on a regular basis to assess the project, its aspects and impacts and advise as to the required actions in order to ensure that all legal requirements, best practise protocols, adherence to by-laws etc. are achieved. Liaising with the client and engineering team; reviewing reports of previous work done on the airport precinct and surroundings. I also reviewed applicable legislation and policies; liaising with the Competent Authorities and stakeholders on the proposed project and expressing the engineering design concepts in relation to the potential environmental triggers.

Enigma Estate Independent ENVIRONMENTAL Compliance Audits for Bulkworks Construction Phase, ECO, 2018-2019

On the site on a regular basis to assess the project, its aspects and impacts and advise as to the required actions in order to ensure that all legal requirements, best practise protocols, adherence to by-laws etc. are achieved. Liaising with the client and engineering team; reviewing reports of previous work done on the airport precinct and surroundings. I also reviewed applicable legislation and policies; liaising with the Competent Authorities and stakeholders on the proposed project and expressing the engineering design concepts in relation to the potential environmental triggers.

Basic Assessment for the Proposed Nonoti Beach Node Tourism Development in the KwaDukuza Local Municipality, Kwazulu-Natal, EAP, 2017-present

Appointed as EAP to undertake the Basic Assessment process and obtain Environmental Authorisation for the project.

Industrial Projects

FEL 2 and FEL 3 Studies for Nyanza Light Metals Recovery of Titanium from Slag Project, South Africa, Ongoing, Environmental Advisor

Hatch was retained by Arkein Capital to evaluate beneficiation options of discard furnace slag from Evraz Highveld as Nyanza Light Metals intends to construct and operate an industrial rutile pigment production facility in an area yet to be determined in South Africa. The environmental scope involves project deliverables that are based directly on those defined and described in the Hatch Project Lifecycle Process (PLP) ensuring that the sustainable development aspects of the study are adequately addressed.

Fry's Metals, 2009, Project Manager

Appointed to undertake a legal review for the proposed new Battery Crusher at the Fry's Metals plant in Germiston.

Technical Consulting for an Environmental Impact Assessment for Bus Assembly Plant, Confidential Client, Nigeria, 2008, Project Manager

Appointed to provide technical support to the team carrying out an EIA for a proposed bus assembly plant in Nigeria. The EIA process and report was audited against the Nigerian regulatory EIA requirements. Recommendations were made to address gaps.

Basic Assessment for proposed Oxidation Plants in 3 areas within the Dr Ruth Segomotsi Mompoti District Municipality (Dr Ruth Segomotsi Mompoti District Municipality)

Basic assessment and ethical review of planned oxidation ponds (waste water treatment) for three rural communities. Responsible for running the environmental process which required the preparation of three Basic Assessments for the schemes

OBP SOC Limited Basic Assessment Application, Gauteng South Africa, 2015, Technical Director

Appointed as a sub-contractor by DMT-Kai Batla to oversee the basic assessment process for the expansion of the Onderstepoort Biological Products animal vaccine facility in Pretoria. Key responsibilities on the project were to provide technical guidance to project team and to undertake technical review of all project outputs.

Department of Economic, Small business Development, Tourism & Environmental Affairs (DESTEA), Development of a Hazardous Waste Inventory, 2015, Project Director

The project involved compiling a hazardous Waste Inventory Database, Status Quo Report, GIS Mapping, Site Planning, Data Collection.

City of Johannesburg Environmental Studies of Klip-Bosmontspruit, Juskei River Alexander and Upper-Klip Soweto, in the City of Johannesburg (City of Johannesburg Municipality), Project Director, 2015-2016

My role involved overseeing the overall project management, which included specialist management and facilitation of stakeholder-client engagement. I managed the review applicable policies and legislation guiding such developments which was followed by baseline environmental assessments of the project area. I also facilitated a stakeholder workshop where the Developer, project specialist and key stakeholders had an opportunity to engage on the plans for the project area. The end goal of the project was to create a number of potential development alternatives and highlighting catalytic projects, where the client was presented with quick wins and medium to long-term options for the rehabilitation implementation.

City of Johannesburg, Development of an Alien Invasive Plant Control Plan, Gauteng, Project Director 2015-2016

Sub-contracted by DMT-Kai Batla to oversee the development of an alien and invasive plant control plan for the City of Joburg. Key responsibilities on the project were to provide technical guidance to project team and to undertake technical review of all project outputs.

Urban Earth Kaalspruit, Research Area 2 Report for the Kaalspruit Reconstructed Wetland Project, Environmental Specialist, 2019-present

The project is in support of the Development of Project Proposals on Priority Focus Areas of Provincial Climate Change Adaptation Interventions. An initiative by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH on behalf of The Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB).

Environmental Review of a certain company's Remediation and Rehabilitation of Pipeline

Ruptures in Hillcrest area, in the KwaZulu-Natal Province, 2016, Environmental Specialist

Appointed as environmental specialist to provide support to the forensic team investigating procurement irregularities involving the rehabilitation of polluted sites and soil as the result of damage to the pipelines, which pump hydrocarbons from KZN to Gauteng. Specifically, the review looked at the reports and records produced between December 2014 and June 2016, by the parties in question and the specialists and service providers appointed on the clean-up operations; the recommendations from various specialists and the remediation company's implementation thereof, and whether the activities undertaken are in compliance with environmental legislation and can be financially substantiated. *(Please note as this was a highly confidential assignment, no names of parties involved could be cited).*

Recycling and Economic Development Initiative of South Africa (REDISA), Basic Assessment for the Waste Management License Application of the proposed Waste Tyre Pre-Processing Depot in Bloemfontein, Free State Province, 2015-2016, EAP,

Appointed as the Independent Environmental Consultants to conduct the public consultation, compilation of the Basic Assessment Report and Environmental Management Plan (EMP) as part of the environmental impact assessment process for the proposed Bloemfontein Depot.

Stefanutti Stocks (Pty) Ltd Basic Assessment for the Waste Management License Application for the Proposed Development of a Waste Oil Recycling Facility in Kempton Park, 2016-2017, EAP

Appointed to undertake the Basic Assessment process for obtaining a Waste Management Licence for the new Stefanutti Stocks facility. Responsibilities included conducting the public consultation, engaging with the competent authority and interested and affected parties, compilation of the Basic Assessment Reports and Environmental Management Plans (EMP), and the necessary waste management facility documentation.

REDISA, Basic Assessment for the Waste Management License Application of the proposed Waste Tyre Pre-Processing Depot in Kimberly, Northern Cape, 2016-2017, EAP

Appointed as the Independent Environmental Consultants to conduct the public consultation, compilation of the Basic Assessment Report and Environmental Management Plan (EMP) as part of the environmental impact assessment process for the proposed Kimberly Depot.

REDISA Basic Assessment for the Waste Management License Application of the proposed Waste Tyre Pre-Processing Depot in Berlin, Eastern Cape, 2017, EAP

Appointed as the Independent Environmental Consultants to conduct the public consultation,

compilation of the Basic Assessment Report and Environmental Management Plan (EMP) as part of the environmental impact assessment process for the proposed Berlin Depot.

and design work, interfacing and coordinating with engineering disciplines.

REDISA Basic Assessment for the Waste Management License Application of the proposed Waste Tyre Pre-Processing Depot at Valley Trucks, Eastern Cape, 2017, EAP

Appointed as the Independent Environmental Consultants to conduct the public consultation, compilation of the Basic Assessment Report and Environmental Management Plan (EMP) as part of the environmental impact assessment process for the proposed Valley Trucks Depot.

REDISA Basic Assessment for the Waste Management License Application of the proposed Waste Tyre Pre-Processing Depot in Rustenburg, North West Province, North West Province, 2017, EAP

Appointed as the Independent Environmental Consultants to conduct the public consultation, compilation of the Basic Assessment Report and Environmental Management Plan (EMP) as part of the environmental impact assessment process for the proposed Rustenburg Depot.

REDISA Section 24G application process for an existing pre-processing facility in Rustenburg, North West Province, 2017, EAP

Appointed as the Independent EAP to undertake the Section 24G-application process for an existing pre-processing facility in Rustenburg.

REDISA Independent External Audits of REDISA's Network of Waste Tyre Management Facilities, 2017, Environmental Auditor

Appointed as an independent external auditor to undertake the external biennial Compliance Audit on REDISA's waste tyre management facilities nationally.

Development & Engineering Consultants (DEC), 2015

Appointed as a sub-contractor on Environmental Scanning and Feasibility Study project for the proposed development of the West Rand Logistics Hub.

Development & Engineering Consultants (DEC), 2016

Appointed as a sub-contractor for the Environmental Conditional Assessment of the Babalegi Industrial Park in Hammanskraal, north of Tshwane and for the Ga-Rankuwa Industrial Park, located in the far north west of Tshwane.

Development & Engineering Consultants (DEC), 2016

Appointed as a sub-contractor for the proposed Development of the Tshwane Agro Processing Hub. This involved compiling of project environmental design criteria which are needed to guide the Project Technical Team during the planning phases

CURRICULUM VITAE: KAMOGELO MOKHINE

Position	Consultant
Employer	ThembeKa Environmental Consulting Pty Ltd
Gender	Female
Nationality	South African
Ethnic Group	African
Language	English
Drivers Licence	Code 10

Contact Details

Cell phone	+27 73 588 7110
Email	kkmokhine@gmail.co.za

Professional Profile

A highly competent Environmental Consultant with close to 4 years' experience and knowledge of environmental legislation and compliance requirements. Kamogelo has undertaken several environmental projects ranging from audits and performance assessments, public participation, compilation of basic assessments, to research and prospecting right applications. Kamogelo has also been involved in the project management of various environmental permitting processes which require efficient data management, a thorough understanding of national environmental legislation and good technical writing ability. In terms of environmental compliance monitoring and auditing, Kamogelo has developed checklists and environmental reporting templates for the auditing projects on which TEC has worked; she also has experience in conducting environmental compliance reporting for projects in the construction, energy and minerals industry. In these projects, she has been responsible for reviewing monitoring reports, the verification of recorded monitoring results on site, the examination and evaluation of environmental management actions in terms of achieving responsible environmental management and the identification of deficiencies, and the recommendation of appropriate remediation measures to address these.

Education

2013 University of The Witwatersrand BSc. Honours (Geography and Environmental Studies)
2012 University of The Witwatersrand BA (Geography and Archaeology)
008 Benoni High School Grade 12 (Matric)

Computer Skills

<ul style="list-style-type: none"> • Microsoft Office (Word, Excel, PowerPoint) • MS Project 	<ul style="list-style-type: none"> • MS Publisher
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Areas of Expertise

<ul style="list-style-type: none"> • Project Management • Implementation of Record of Decision/ Environmental Authorisation requirements. • Compliance monitoring and reporting. • Undertaking of Environmental and Social Impact Assessments • Technical report writing including: scoping reports; environmental and social impact assessment reports; environmental management plan reports and amendments; status quo reports; performance assessment reports; environmental opinions and investigations; report reviews. • Public participation processes including: communication strategies; stakeholder's analysis; background information documents, issues and responses reports; feedback stakeholders during public and focus group meetings • Identifying key environmental attributes, opportunities and constraints in the project life-cycle. • Coordinating and managing specialists including developing terms of references, managing information needs, organising site visits, reviewing reports.
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Career Summary

Hatch Pty Ltd Johannesburg, South Africa	<ul style="list-style-type: none"> Environmental Officer (Contractor) 	2017
GCS Water and Environment (Pty) Ltd Johannesburg, South Africa	<ul style="list-style-type: none"> Environmental Unit Administrator 	2016-2017
DMT-Kai Batla (Pty) Ltd Johannesburg, South Africa	<ul style="list-style-type: none"> Junior Environmental Consultant 	2015-2016

Authorisation Permitting Studies

- Authoring and/or project managing a variety of environmental authorisations processes.
- Successfully undertaking Basic Assessment processes for a range of projects across a number of sectors all over South Africa
- Excellent understanding of the legislative requirements associated with EIAs as well as an understanding of the in-country, South African and provincial regulatory and permitting processes.
- Fostering good relationships with competent authorities as well as local authorities in South Africa.
- Assisting clients in ensuring that projects meet international environmental and social assessment standards

Engineering Interface

- Experience in working alongside engineering design teams in applying the required environmental assessment methodologies, at the appropriate time within the project life cycle process, providing her with the ability to recognise potential gaps that need to be addressed during the EIA and allowing for improved integration of information between the EIA project team and the engineering design team.
- Providing a managed interface between clients, and environmental assessment practitioner and specialists to facilitate the effective integration of environmental considerations into the design and planning processes.

Key Strengths

- Strong technical report writing capabilities.
- Thorough understanding of national environmental legislation.
- Able to cope with ambiguity, contradiction, stress and uncertainty.
- Data management from projects of varying scales.
- Good interpersonal skills - works well with others.
- Solid judgment and management skills to effectively deal with people's needs/issues.
- Good internal and external negotiation skills with ability to engage and influence clients.

References

Available on request.

Key Project Experience

Basic Assessment for the Waste Management License Application of the proposed Waste Tyre Pre-Processing Depot in Bloemfontein, Free State Province (REDISA)

Appointed by TEC as a consultant for the the public consultation, compilation of the Basic Assessment Report and Environmental Management Plan (EMP) as part of the environmental authorisation process for the proposed Bloemfontein Depot.

Basic Assessment for the Waste Management License Application of the proposed Waste Tyre Pre-Processing Depot in Kimberly, Northern Cape (REDISA)

Appointed by TEC as a consultant for the the public consultation, compilation of the Basic Assessment Report and Environmental Management Plan (EMP) as part of the environmental authorisation process for the proposed Kimberly Depot.

Basic Assessment for the Waste Management License Application of the proposed Waste Tyre Pre-Processing Depot in Rustenburg, North West Province, North West Province (REDISA)

TEC Ltd had been appointed as the Independent Environmental Consultants to conduct the public consultation, compilation of the Basic Assessment Report and Environmental Management Plan (EMP) as part of the environmental impact assessment process for the proposed Rustenburg Depot.

Environmental Performance Assessment (EPA) Review of Compliance with Prospecting Rights and Approved EMP, 2017 (Private Client), Auditor

Undertaking the biennial EPA in compliance with the EMP, as well as the annual evaluation of the Quantum for Rehabilitation-Related Financial Provision for the PR.

BMK Engineering Consultants (for the Johannesburg Road Agency): Auditing of Compliance with the 3 approved Construction Environmental Management Plan (CEMP) for the Gravel Road and Stormwater Infrastructure Upgrades in Orange Farm, Driehoek and Diepsloot, Gauteng, 2017.

Responsible for ensuring legal compliance with the approved CEMPs for all three locations. Duties included checking that the environmental management tools to achieve compliance are used correctly and efficiently; and tracking the environmental accountability of the project personnel.

Hatch Africa: BAIC Automobile South Africa (Pty) Ltd Stage 1, Phase 1, of the Manufacturing Factory in the COEGA IDZ, Environmental Officer

Responsible for responsible for monitoring all activities on a development site and ensuring that all contractors comply with the requirements of the

conditions as stipulated in the environmental authorisation as well as the requirements (as outlined in the EMP). On the site on a regular basis to assess the project, its aspects and impacts and advise as to the required actions in order to ensure that all legal requirements, best practise protocols, adherence to by-laws etc. are achieved.

Hatch Africa: Environmental Specialist on the Eskom Holdings SOC Limited, Majuba Rail Project, 2016, Auditor

Kamogelo was part of the DMT-Kai Batla team appointed to conduct independent external Water Use Licence Audits for the Majuba Rail Project. Duties included ensuring legal compliance in terms of the approved EMP and WULA condition; checking that the environmental management tools to achieve compliance are used correctly and efficiently; tracking the environmental accountability of the Licence holder.

Performance Assessment Audit, ArcelorMittal, Vanderbijlpark Works, 2016, Assistant Auditor

Part of the GCS team appointed to conduct Annual Performance Assessment Audits of compliance with the EMP conditions of the coke and gas oven operations at the Vanderbijlpark works.

Adelaide Ruiters Mining & Exploration, Prospecting Rights Audits, Western Cape, 2016, Auditor

Kamogelo was involved in evaluating the implementation of the approved Environmental Management Programme and compliance to prospecting/mining legislation for phosphate ore prospecting works in Saldanha Bay, Western Cape

Umgeni Water Basic Assessment and Water Use License Application (WULA) for the Installation of a Hydropower Pipeline on Phase 2 of Mooi-Mgeni Transfer Scheme, KwaZulu-Natal, Current, Project Manager

Responsible for managing the environmental permitting process and to provide technical guidance to the project team. Key responsibilities on the project included compilation of the of the Scoping Report, Environmental Management Programme and Environmental Impact Assessment Report. Planned, coordinated, and facilitated the public participation process.

Adelaide Ruiters Mining & Exploration Prospecting Right Application, Western Cape, South Africa, Environmental Assessment Practitioner.

Kamogelo undertook a Basic Assessment process in application for a Prospecting Right for the Exploration of Phosphate and Limestone Ore Deposits in Saldanha Bay, Western Cape. She was responsible for, research and data collection, liaising with client, with specialists, compiling environmental authorisation application form, planning for public participation, drafting environmental management plan, stakeholder consultation.

BMK Engineering Consultants, Environmental Authorisation process for the Jabulani-Molapo Bridge, Gauteng, South Africa

Kamogelo undertook a Basic Assessment process for the development of the Jabulani-Molapo Bridge Construction, as part of Phase 7 of the Jabulani Transport Oriented Development. She was responsible for overall project management, client liaison and project team engagement, as well as report writing.

BMK Engineering Consultants, Environmental Authorisation process for a Stormwater Channel in Masilonyana Local Municipality, Free State, South Africa

Kamogelo undertook Basic Assessment and Water Use License Application for the construction of a 3.5km stormwater drainage channel in Masilonyana Local Municipality. She was responsible for, research and data collection, liaising with client, with specialists, compiling environmental authorisation application form, planning for public participation, drafting environmental management plan, stakeholder consultation.

Basic Assessment Report and Environmental Management Programme Report for Application for A Chrome Ore Prospecting Right on Groenfontein 138 JP Portion 3 (Samancor Cr²)

Appointed as a sub-contractor by DMT-Kai Batla to oversee the relevant permitting process and to provide technical guidance to the project team.

City of Johannesburg, Development of an Alien Invasive Plant Control Plan, Gauteng, South Africa.

Kamogelo was part of the team that developed an alien and invasive plant control plan for the City of Joburg. Her responsibilities were project management, research and data collection, liaising with client, liaising with specialists, stakeholder engagement: hosting a workshop and informing stakeholders of the project, fieldwork planning using GIS, floral sampling fieldwork, data capturing and report compilation.