

EAPASA

Unit 19 Oxford Office Park
3 Bauhinia Street
Highveld Techno Park
Centurion
0157
Tel. (+27) 12 880 2154

Environmental Assessment Practitioners Association of South Africa

Advancing environmental assessment practice in South Africa



Email: registrar@eapasa.org / Website: www.eapasa.org

Miss Zinzi Xakayi
4083 Orange Farm
Ext 1, Mshengu Street
Johannesburg
1841

Sent by email to: zeighxakayi@gmail.com

Dear Miss Xakayi

Registered Environmental Assessment Practitioner: Number 2022/6136 Zinzi Portia Xakayi : South African ID !

The Environmental Assessment Practitioners Association of South Africa (EAPASA) herewith certifies that Zinzi Portia Xakayi is a Registered Environmental Assessment Practitioner (EAP) 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).

Your registration is duly authorised by EAPASA as the single Registration Authority for EAPs in South Africa (appointed as per Regulation No. 104, Gazette No. 41434 of 8 February 2018, in terms of section 24H(3)(a) of the NEMA). Your status as a Registered EAP is displayed in the 'EAP Register' - please find your name and contact email address at

<https://registration.eapasa.org/registered-practitioners>

Your registration is effective for a period of five years from 25 April 2024, and expires on 25 April 2029. The renewal of your registration in 2029 will be contingent on you having met the requirements of EAPASA's Continuing Professional Development (CPD) policy during each year of registration.

As a Registered EAP you are required to uphold the EAPASA Code of Ethical Conduct and Practice in your professional endeavours, towards the goal of quality assurance in environmental assessment practice.

Please accept my congratulations on your registration.

Best regards

Dr Patrick Sithole
Registrar
Date: 25 April 2024

Board Members: Ms Snowy Makhudu (Chairperson), Dr Khangwelo Desmond Musetsho (Vice-Chairperson),
Mr Zama Dlamini, Ms Jacqui Hex, Ms Minnette Le Roux, Ms Thato Moeeng,
Ms Jennifer Molwantwa, Mr Phumudzo Nethwadzi, Mr Danie Neumann,
Mr Khathutshelo Tshipala, Ms Lethogonolo Tungamirai
Registrar: Dr Patrick Sithole
NPO Reg. No. 122-986

herewith certifies that

Zinzi Portia Xakayi

Registration Number: 155265

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 (Candidate Natural Scientist)

Effective **18 January 2024**

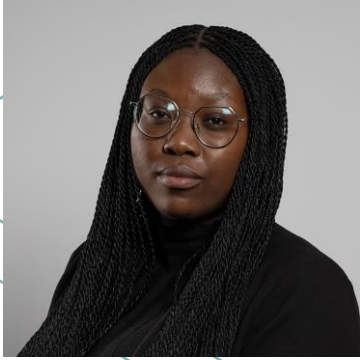
Expires **31 March 2025**



Chairperson

Chief Executive Officer





Zinzi Portia Xakayi

Environmental Consultant

Summary

Zinzi, an environmental assessment practitioner at Zutari, has vast experience in diverse environmental projects. Her responsibilities include the compilation of environmental management programmes (EMPrs), basic assessment reports (BARs), environmental impact assessment (EIA) reports, and environmental screening reports. She also handles Part 1 and Part 2 environmental authorisation (EA) amendment applications and water use license (WUL) applications.

With a background in geo-informatics and geographic information systems (GIS), Zinzi has gained valuable experience through her involvement in private sector projects. She excels in spatial analysis, data processing, and mapping, with duties that encompass data evaluation, digitising, editing, and converting spatial and non-spatial data from various formats. She is adept at using software tools like Esri ArcMap, GeoMedia, and QGIS.

Recently, Zinzi has concentrated her efforts on renewable energy projects, construction projects, and feasibility screenings for photovoltaic (solar PV) and raw bulk water pipeline projects. She has also acted as an environmental compliance officer (ECO) for a green building project in Gauteng.

Beyond her technical roles, Zinzi is skilled in project management. She organises client meetings, liaises with various departments and competent authorities, gathers information, collaborates with project teams, prepares technical and financial proposals and generates comprehensive reports. She plays an active role in coordinating public-private partnership (PPP) initiatives and engages stakeholders throughout the project phases.

Qualifications

BSc (Hons) Geography and Environmental Science
BSc Geography

Professional registrations

Member, Golden Key International Honour Society (GKIHS)
Environmental Assessment Practitioner (EAP), Environmental Assessment Practitioners Association of South Africa (EAPASA)
Member, Geo-Information Society of South Africa (GISSA)
Member, International Association for Impact Assessment (IAIA)

Specialisation

Geographic information systems (GIS) and telecommunication masts

Years in industry

3

Relevant experience

Herolim Hospital construction and operational reviews, South Africa, Gauteng, Development Bank of Southern Africa (DBSA) / Herolim Property Company (Pty) Ltd, 08/2023 - 12/2026, Environmental Consultant

Due diligence review of the Herolim Hospital project. Responsible for conducting technical due diligence review of the Herolim Hospital project and for reviewing the construction audit and safety reports.

Strengthening of TR1/1, South Africa, Western Cape, Provincial Government of the Western Cape (PGWC): Department of Transport and Public Works (DTPW), 06/2018 - 01/2026, Environmental Consultant

Zutari was appointed by the Department of Transport and Public Works: Roads Infrastructure Branch of the Western Cape Government (WCG) to undertake full engineering services of the strengthening of TR1/1 – George to Oudtshoorn. Zutari provided advice on the scope of work and also provided design input and deliverables to the client, as well as procurement and contract administration. Responsible for finalising the final basic assessment report for submission to the competent authority.

God's Window Skywalk, South Africa, Mpumalanga, Motsamay Tourism Group (Pty) Ltd, 08/2021 - 06/2025, Environmental Consultant

Zutari was appointed to conduct an environmental impact assessment (EIA) and water use licence application (WULA) for the proposed construction of a skywalk and skybridge at God's Window in the Mpumalanga Province. These services are to ensure compliance with the National Environmental Management Act (Act No. 107 of 1998) (NEMA), National Water Act, 1998, as well as other associated or required environmental authorisations. Responsible for compiling the project EMPr and coordinating the public participation process for the basic assessment process.

ESIA for Bekongkor hydropower project, Sierra Leone, Serengeti Energy Mauritius (RSA), 03/2024 - 06/2025, Environmental Consultant

Zutari was contracted to conduct a peer review of the ESIA for the Bekongkor hydropower project and to manage specialists who will be undertaking specialist studies to support the ESIA. Responsible for specialist management and assisting with review of reports from CEMMATS.

Ceres maintenance management plan (MMP) water use license, South Africa, Western Cape, Witzenberg Local Municipality, 05/2024 - 06/2025, Environmental Assessment Practitioner

Zutari was contracted by the Witzenberg Local Municipality for the planning of new solid waste infrastructure, including transfer and drop off facilities for Ceres. Responsible for compiling a Maintenance Management Plan for the Dwars, Breede and Titus rivers in Ceres.

Cainmani Greylingstad solar PV EIA, South Africa, Mpumalanga, Cainmani (Pty) Ltd, 01/2024 - 05/2025, Environmental Assessment Practitioner

Zutari was appointed as the environmental assessment practitioner (EAP) to undertake the application for an environmental authorisation. Responsible for undertaking the scoping and environmental impact assessment and compiling the following reports/documents: scoping report (SR), environmental impact report (EIR), the environmental management programme (EMPr), and public participation process documents. Also responsible for specialist coordination.

King Williams Town Private Hospital, South Africa, Eastern Cape, Development Bank of Southern Africa (DBSA) / King Williams Town Private Hospital, 04/2023 - 03/2025, Environmental Consultant

Responsible for conducting technical due diligence of the King Williams Town Private Hospital project. Zutari is conducting technical due diligence of the King Williams Town Private Hospital project to enable the DBSA to have a clear and objective view of the risks and actions required to make an informed decision in terms of providing funding for the development of the hospital.

Environmentally sustainable design (ESD) for KSB Pumps, South Africa, Gauteng, Messaris Wapenaar Consulting Service, 08/2022 - 02/2025, Environmental Control Officer (ECO)

Zutari was appointed for environmentally sustainable design (ESD) services for the major refurbishment of a 2 500 m² office development in Johannesburg to achieve Green Star Certification. Responsible as Environmental Control Officer (ECO), which included monthly auditing for compliance to environmental requirements according to Man-6 Sustainability Green building criteria.

NOA energy platform due diligence – Khauta solar PV plant , South Africa, Free State, NOA Groups Holdings (Pty) Ltd, 02/2023 - 02/2025, Environmental Consultant

The ~240 MW Khauta solar PV development is being considered as a potential project for the NOA energy portfolio of projects. Zutari has been appointed by NOA to assist with the preliminary design and technical review of the development prior to concluding the transaction. Responsible for reviewing the environmental and social documentation and reports developed to date and assessed these against South African legal requirements to verify legal conformance and to identify potential risks, gaps or deficiencies that require further evaluation or follow-up actions.

36 Hans Strijdom Avenue, South Africa, Western Cape, Growthpoint Properties Limited, 01/2023 - 12/2024, Environmental Consultant

Zutari was appointed for environmentally sustainable design (ESD) and environmental services for the major refurbishment of the Hans Strijdom office development in Cape Town to achieve green star certification. Responsible for compiling the environmental management plan (EMP), Man-6 report, audit checklist and management plans.

Due diligence for Burgersfort Hospital, South Africa, Limpopo, Development Bank of Southern Africa (DBSA) / Burgersfort Hospital, 05/2023 - 12/2024, Environmental Consultant

Zutari was appointed to perform a technical due diligence of a hospital project in Burgersfort. Zutari assessed the project information provided by the sponsor and opined on the risks to the invest and provided the relevant recommendations. Responsible for performing a technical due diligence of the Burgersfort Hospital project.

NewCo RSA Renewable Energy Prospect: ACED site environmental permitting, South Africa and Eswatini, Business Venture Investments No 1788 (Pty) Ltd, 01/2015 - 12/2024, Environmental Consultant

Zutari was appointed to perform an independent review and verification of the environmental and permitting status of its wind, hydropower and solar renewable energy generation sites. Responsible for performing a review and verification of the environmental and permitting status of African Clean Energy Developments' 14 wind farm projects, 12 solar projects, and a hydropower scheme proposed in Eswatini.

Olifants management model (OMM) bulk raw water study phase – Phase 2F and 2D components, South Africa, Limpopo, Lebalelo Water User Association (LWUA) , 01/2023 - 11/2024, Environmental Assessment Practitioner

Zutari Ndodana Joint Venture (ZNJV) was appointed by the Lebalelo Water User Association (LWUA) for the provision of professional services for the Olifants River Water Resources Development Project Phase 2 (ORWRDP-2). The portion of the works comprises Phases 2B, 2B+, 2F, and 2D, as well as changes and additions to the current Phase 2H (Lebalelo Network), and integration of the overall OMM programme, inclusive of the southern extension 2 project Phases 1 and 2 implemented by others. Responsible for conducting the environmental impact assessment (EIA), performing gap analysis, and conducting environmental screening for the project.

OMM bulk raw water study phase - Phase 2B component, South Africa, Limpopo, Lebalelo Water User Association (LWUA) , 01/2023 - 11/2024, Environmental Assessment Practitioner

Zutari Ndodana Joint Venture (ZNJV) was appointed by the Lebalelo Water User Association (LWUA) for the provision of professional services for the Olifants River Water Resources Development Project Phase 2 (ORWRDP-2). The portion of the works comprises Sub-Phase 2B, Sub-Phase 2B+, Sub Phase 2F, changes and additions to the current Sub Phase 2H (Lebalelo Network), and integration of the overall OMM programme, inclusive of the Southern Extension 2 Project Phases 1 and 2 implemented by others. Responsible for compiling amended environmental management programme (EMPr) for the proposed pipeline from Flag Boshelo Dam to a terminal reservoir at Pruisen. Also responsible for undertaking a gap analysis assessment for the proposed borrow pits and spoil sites to source material for the proposed pipeline.

Olifants Management Model (OMM) bulk raw water study phase – Mokopane and Sekuruwe water treatment works (WTW), South Africa, Limpopo, Lebalelo Water User Association (LWUA) , 01/2023 - 11/2024, Environmental Assessment Practitioner

Zutari Ndodana Joint Venture (ZNJV) was appointed by the Lebalelo Water User Association for the provision of professional services for the Olifants River Water Resources Development Project Phase 2. The portion of the works comprises of Sub-Phase 2B, Sub-Phase 2B+, Sub Phase 2F, changes and additions to the current Sub Phase 2H (Lebalelo Network), and integration of the overall OMM programme, inclusive of the Southern Extension 2 Project Phases 1 and 2 implemented by others. Responsible for compiling the basic assessment report (BAR) and the environmental management programme (EMPr) supporting the BAR, compiling public participation documentation, including stakeholder notification letters, letters to traditional authorities, site notices, and newspaper adverts, notifying stakeholders of environmental impact assessment (EIA) processes and environmental decisions, undertaking the public participation process (PPP), liaising with specialists, the project team, and the client, handling correspondence with authorities, and reviewing the BAR package for the Mokopane WTW (12/1/9/1-W273) as well as the waste management application forms for the sludge lagoons within the proposed WTW sites.

Kathu solar photovoltaic (PV) plant, South Africa, Northern Cape, Kathu Solar Park (RF) Pty Ltd, 11/2023 - 10/2024, Environmental Assessment Practitioner

Zutari was appointed as the environmental assessment practitioner (EAP) to undertake the application for an environmental authorisation for the proposed Kathu solar PV augmentation (SPA) facility. Responsible for undertaking the basic assessment (BA) application and compiling the basic assessment report (BAR), the environmental management programme (EMPr) and the public participation process documents. Also responsible for specialist coordination.

Ceres solar photovoltaic energy facility, South Africa, Western Cape, Witzenberg Local Municipality, 12/2023 - 08/2024, Environmental Assessment Practitioner

Zutari was appointed as the environmental assessment practitioner (EAP) to undertake the application for an environmental authorisation. Responsible for undertaking the basic assessment (BA) application and compiling the basic assessment report (BAR), the environmental management programme (EMPr) and the public participation process documents. Also responsible for specialist coordination.

Oudtshoorn WWTW and WTW investigation: Grootkop waste disposal facility, South Africa, Western Cape, Oudtshoorn Local Municipality, 04/2022 - 08/2024, GIS Consultant

Zutari was appointed to audit the Grootkop Waste Disposal Facility. Responsible for producing maps.

Nedbank projects: Welgevonden environmental screening, South Africa, Limpopo, Nedbank Limited Group of Companies, 02/2023 - 08/2024, Environmental Consultant

Nedbank is considering expanding their Welgevonden game reserve by adding approximately 88.87 m² to their existing footprint. Zutari was appointed to conduct an environmental screening. Responsible for reviewing the sites proposed for the proposed facilities, against selected geographic information system (GIS) based environmental sensitivity databases.

Abstraction of groundwater at three FNB properties - Fairland campus, Willowbridge and Portside, South Africa, Multi-Regional SA, First National Bank (FNB) South Africa, 05/2023 - 08/2024, Environmental Consultant

First National Bank, a division of FirstRand Bank Limited, appointed Zutari as the independent environmental assessment practitioner (EAP) to undertake the water use license application (WULA) in terms of the National Water Act (Act 36 of 1998) (NWA). Responsible for undertaking the water use license application for Portside and Willowbridge Place campuses, as well as the public participation processes for the three FNB campuses (i.e., Fairlands campus, Portside campus and Willowbridge Place campus).

ARM Bokoni Mine Integrated Social Strategy, South Africa, Limpopo, African Rainbow Minerals Ltd, 09/2022 - 08/2024, GIS Consultant

Development of social solutions for Bokoni Mine. Zutari was appointed to undertake specialist studies and assessments; develop/formulate strategies and action plans; monitor and evaluate frameworks; and develop an implementation plan and pathway to support the smooth transition of Bokoni Mine from the previous owners to African Rainbow Minerals (ARM). More specifically, Zutari's communication team was contracted to be responsible for the communication strategy for business process management (BPM), consistent integration of communication activities and strategic advisory relating to business culture and communication approach. Responsible for producing maps.

Vopak Lesedi Terminal stormwater, South Africa, Gauteng, Vopak South Africa Developments, 11/2022 - 07/2024, GIS Consultant

Zutari was appointed to design dewatering systems required to prevent uplift of bunded areas from groundwater. Responsible for producing maps.

New Pacaltsdorp reservoir, tower and pump station, South Africa, Western Cape, George Local Municipality, 03/2022 - 06/2024, GIS Consultant

To address the inadequate security of potable water supply in Pacaltsdorp (West), George Municipality required the construction of a new reservoir and pumpstation. Zutari's scope of works entail the management and design for the new 2.5 Ml reinforced concrete reservoir, tower, pump station and interconnecting pipework as well as the design of a new supply main should the existing 315mm Ø supply main be found inadequate. This also includes the management of the documentation and procurement of contractor/s for the civil, mechanical and electrical works; contract administration and site supervision. Responsible for producing maps.

Environmental impact assessment (EIA) and water use licence application (WULA) for the proposed Bierspruit Opencast development at the Amandelbult mine complex, South Africa, Limpopo, Rustenburg Platinum Mines, 03/2019 - 06/2024, Environmental Consultant

Zutari was appointed to conduct an environmental impact assessment and water use licence application for the proposed Bierspruit Opencast development at the Amandelbult mine complex near Thabazimbi in the Limpopo Province. Responsible for assisting with coordinating the public participation process and stakeholder engagement.

Project Ruby due diligence review, South Africa, Gauteng, Maia Capital Partners (Pty) Ltd, 07/2023 - 01/2024, Environmental Consultant

Zutari was appointed to perform a technical due diligence review in the renewable energy sector in both utility scale power generation across multiple renewable energy sources (solar and wind) and distributed small scale generating plants in the commercial and industrial sectors. Zutari assessed the project information provided by the sponsor and opined on the risks to the invest and provided the relevant recommendations. Responsible for performing a technical due diligence review on Project Ruby.

Cato Ridge environmental impact assessment (EIA), South Africa, KwaZulu-Natal, Cato Ridge Development Company Ltd, 07/2021 - 12/2023, Environmental Consultant

The Cato Ridge Development is an initiative of the land holder to strategically release land on commercial terms to end users and developers for the development of a large-scale logistics hub and intermodal transport facility. The land holdings comprise 1885 ha of land that is strategically located with high potential for development. Responsible for adapting the impact assessment tables from various specialist reports into the draft EIAr.

Anglo American prefeasibility studies, South Africa, Botswana, Namibia and Zimbabwe, Anglo Corporate Services SA, 07/2021 - 12/2023, Environmental Consultant

Anglo American is aiming for carbon neutrality by 2040 and appointed Zutari for technical advisory services to development an energy strategy for its sites in South Africa, Botswana, Namibia, and Zimbabwe. This strategy needs to provide a procurement perspective per site, in view of certain scenarios and criteria to be considered, among others: capacity and energy availability, finance, reliability, changing energy landscape, etc. based on taking all the criteria into account. Responsible for undertaking a due diligence exercise for the Great Kei WEF and the Ngxwabangu site.

OYA Energy independent review, South Africa, Western Cape, G7 Renewable Energies (Pty) Ltd, 03/2023 - 11/2023, Environmental Consultant

Zutari was appointed by OYA to review their feasibility study for their proposed hybrid power plant. Responsible for reviewing OYA's feasibility study for their proposed hybrid power plant.

Black Mountain Mine due diligence, South Africa, Northern Cape, Black Mountain Mining (Pty) Ltd, 04/2023 - 10/2023, Environmental Consultant

Vedanta Resourcing is currently developing a new smelter at their Gamsberg operations and is investigating the prospect of procuring up to 160 MW of renewable energy capacity to supply the new smelting facility. Vedanta is looking to procure power from a turnkey project developer and have approached Zutari to assist with technical advisory services to perform a technical assessment of the project independent power producer (IPP) bids and assist with the final IPP selection. The prospective IPP (bidder) will have to design, build, finance, own and operate (DBFOO) a renewable energy plant. Its energy will be sold to Black Mountain Mining (Pty) Ltd (Purchaser). Responsible for reviewing documentation of the different bidders as well as performing a technical assessment of the project IPP bids.

Waste management support, South Africa, Limpopo, Rustenburg Platinum Mines, 07/2021 - 06/2023, Environmental Compliance Officer

Zutari was appointed to assess the waste management practices at Mogalakwena Mine to make recommendations for improvement. This included developing a Waste Management Plan (WMP); conducting site assessments for both internal and external waste facilities including contractors; developing a waste inventory as well as developing and conducting training for four levels within the operations for Mogalakwena Complex (MC). Responsible for conducting an environmental assessment (EA) and environmental management programme (EMPr) audit for the Mogalakwena Fuel Depot.

Improvement and management of gravel roads, South Africa, Western Cape, Provincial Government of the Western Cape (PGWC): Department of Transport and Public Works (DTPW), 05/2020 - 05/2023, Environmental Consultant

Zutari was appointed to assist with the material supply and planning, design and control aspects for the maintenance of gravel roads in the Central Karoo and Eden District Municipalities. Services include engineering geology, environmental studies, materials source identification and project management. Responsible for assisting with closure applications, compiling closure plans and environmental risk reports.

Kokerboom 2, South Africa, Business Venture Investments No 178, 01/2015 - 04/2023, Environmental Consultant

Zutari was appointed by Business Venture Investments, as the independent environmental assessment practitioner to undertake the Part 1 Amendment in terms of the 2014 Environmental Impact Assessment (EIA) Regulations of 2014 (Regulation 29(a)) (as amended) pursuant to the National Environmental Management Act (Act 107 of 1998, as amended) (NEMA). Responsible for coordinating the Public Participation Process and undertaking the part 1 amendment process.

Upgrading of Marakabei-Monontša road, Lesotho, China Geo-Engineering Corporation Lesotho (Pty) Ltd (China Geo), 01/2019 - 04/2023, Environmental Consultant

Zutari is assisting the Lesotho Government in improving the way of life for its citizens, this time by providing detailed design services for the upgrading of Marakabei-Monontša road in Butha-Buthe District of northern Lesotho. As project designer to the Design and Build Contractor, China Geo, Zutari is delivering detailed design, including geometric, materials and pavement design, as well as geotechnical investigations for the road, the bridge and the accompanying drainage structures. Responsible for auditing the construction site and writing an addendum report to the existing environmental management programme (EMPr).

Ilanga Emoyeni, South Africa, Windlab Developments South Africa, 04/2022 - 03/2023, Environmental Consultant

Windlab Developments South Africa (Pty) Ltd appointed Zutari as the independent environmental assessment practitioner (EAP) to undertake the applications for Environmental Authorisation (EA) in terms of the National Environmental Management Act (Act No 107 of 1998) (NEMA) and its Environmental Impact Assessment (EIA) Regulations (2014 as amended in 2017). Responsible for compiling basic assessment reports for Ilanga Emoyeni PV2 and PV3 and the environmental management programmes (EMPr) for the Ilanga Emoyeni Solar Suite.

Environmental and social impact assessment (ESIA) for Serengeti Energy Baoma Project Phase II, Sierra Leone, CEMMATS Group Limited, 09/2022 - 01/2023, Environmental Consultant

Serengeti Energy contracted CEMMATS Group Ltd, in association with Zutari, to conduct an Environmental and social impact assessment (ESIA) study for its solar power plant construction and operation. Responsible for ensuring that all the relevant documents are reviewed, according to the IFC performance standards, by the different specialists.

Seriti KHU Coal Improvement, South Africa, Mpumalanga, Seriti Power (Pty) Ltd, 01/2022 - 12/2022, Environmental Consultant

Zutari was appointed to undertake a coal quality improvement pre-feasibility study (PFS) to further develop the options identified by the concept study and select a go-forward case that is sustainable and cost-effective as an option that would provide the Kendal "240" quality specification from the Khutala complex and supplementary Seriti Power equity coal. Responsible for environmental screening.

Sibanye photovoltaic plant: amendment of environmental authorisation (EA), South Africa, Gauteng, Sibanye Gold Limited, 08/2021 - 12/2022, Environmental Consultant

Zutari was appointed to amend conditions of the environmental authorisations (EAs) for the Sibanye Gold solar PV plant and associated powerlines that were issued in 2017. These processes include ecological walkdown assessments of the solar PV plant and powerlines, revision of the environmental management plans for both components, and an application for a basic assessment to authorise an additional EIA "listed activity". Responsible for compiling the basic assessment report (BAR), environmental management programme (EMPr) and public participation documentation.

Anglo Platinum - Mortimer MSM - Area 441, South Africa, North West, Rustenburg Platinum Mines Limited, 01/2022 - 12/2022, Environmental Consultant

Zutari was appointed to conduct a feasibility study for the design of the Mortimer Smelter slag granulation reticulation water; slag flotation plant tailings handling system and gland service water (GSW) storage and distribution system that will meet the required safety and production requirements and reduce the environmental impact and energy footprint. Responsible for conducting a site verification (site screening).

Water feasibility study for a combined treatment plant at Arnot Coal Mine closed colliery, South Africa, Seriti Coal (Pty) Ltd, 01/2020 - 10/2022, Environmental Consultant

Zutari was appointed to undertake a feasibility study for further definition of the integrated water management plan (IWMP) for the collection of excess water and the treatment and discharge of reclaimed water from the Arnot mining area, as well as the management of all waste material produced due to the implementation of the IWMP. Responsible for the compilation of the DW901, DW902, and Section 21(A) water use licence applications (WULAs) on the Electronic Water Use Licence Application and Authorisation System (e-WULAAS).

Simba CM Projects, South Africa, Simba (Pty) Ltd, 05/2021 - 10/2022, Environmental Consultant

Zutari was appointed to undertake an impact assessment process is to identify, assess and report on any potential impacts that the proposed project may have on the receiving environment, if implemented. The investigation outcome described how impacts on the biophysical and socio-economic environment can be enhanced or mitigated and managed. Responsible for compiling a NEMA inquiry for the Shakaskraal IP to CNG piping burner modifications.

Housing maintenance at Mogalakwena Mine, South Africa, Rustenburg Platinum Mines, 10/2021 - 09/2022, Social People Assistant

Zutari was appointed to undertake condition assessments of mining houses for the community living in the Ga-Puka village and working at the Mogalakwena Mine. Responsible for conducting condition assessments.

Environmental Impact Assessment (EIA) for a solar photovoltaic (PV) plant at Mogalakwena Mine, South Africa, Limpopo, Rustenburg Platinum Mines, 07/2020 - 06/2022, Environmental Consultant

Zutari was appointed to undertake an EIA process for a proposed solar farm of up to 120 MW, in accordance with the 2014 EIA Regulations and National Environmental Management Act, 1998. at Mogalakwena Mine in the Limpopo Province. Responsible for compiling sub-consultancy agreements for specialists, public participation documents and authorisation reports for submission to the competent authority.

Venetia Diamond Mine independent power producer (IPP) project, South Africa, Cresco Project Finance, 04/2021 - 04/2022, Environmental Consultant

Zutari was appointed as the environmental assessment practitioner (EAP) to undertake the application for an environmental authorisation for an independent power producer (IPP) for Venetia Diamond Mine in Limpopo. Responsible for assisting with the public participation process (PPP) during the environmental implementation review (EIR) phase and assisting with the compilation of the environmental management programme (EMPr) report.