

CURRICULUM VITAE



ALESSANDRA (ALEX) PHEIFFER

PRINCIPAL CONSULTANT

Environmental Management, Planning and Approvals,
Africa

QUALIFICATIONS

BSc	1998	Biological Sciences
BSc (Hons)	1999	Zoology
MSc	2004	Environmental Management

EXPERTISE

- Environmental and Social Impact Assessments
- Permitting Processes
- Stakeholder Facilitation and Engagement
- Environmental Compliance and Monitoring
- Environmental Due Diligence and Reviews
- Screening and Risk Assessments
- Financial Provision, Closure and Rehabilitation Planning

Alex has 17 years' experience in the field of Environmental Management. She has managed a wide range of permitting projects including environmental, water, waste and air licensing and assessment processes mainly in the Mining & Minerals and Industry sectors. These projects have included overall project management and co-ordination; specialist and engineering team management; co-ordination, facilitation and undertaking of stakeholder engagement processes including for contentious projects, and environmental assessment. She plays the role of both project manager and project reviewer. She has experience in addressing both in-country legislation and Equator Principles and International Finance Corporation (IFC) requirements.

Alex has also provided environmental specialist input on a number of pre-feasibility studies linked to the exploration/development/expansion of mining operations. She has been involved in policy drafting, environmental due diligence processes, environmental reviews for financing institutions (in the Mining & Minerals, Industry and Power sectors), compliance monitoring, environmental management support to operating sites, site screening exercises, risk assessments and financial provisioning, closure and rehabilitation planning.

She has experience working in South Africa, Namibia, Botswana, Tanzania, Zambia, Democratic Republic of the Congo, Nigeria, Ghana and Zimbabwe.

In her early career years, Alex held a position within Anglo Platinum's Waterval Smelter as Assistant to the Chief Environmental Officer. During the period March 2015 to October 2016, Alex held the position of Operations Manager: Environmental Management, Planning and Approvals (EMPA) within SLR Africa and was responsible for co-ordinating SLR's environmental management team.

PROJECTS

Environmental and Social Impacts Assessments including Stakeholder Facilitation and Engagement, Risk Assessments and Closure and Rehabilitation Planning

2019-Current

Open Program Energy
Sector, KfW

GSE is planning to strengthen the Georgia Transmission System supported by funding from KfW. The project includes the addition of two new transmission lines, namely Component E: 500 kV OHL Stepantsminda-Mozdok and Component F: 500 kV OHL Marneuli-Ayrum. SLR is providing services for the route planning and for the environmental and social impact assessment and associated documents (ESAP, SEP, NTS). Alex's role is as

2018-Current Bilboes Gold Project, Zimbabwe	Bilboes is intending to exploit the sulphide ores that lie below their existing oxide ore open pits. SLR is providing services for environmental & social impact assessment, closure planning and environmental permitting. Alex's role is overall project manager and input to the technical E&S reviewer.
2018-2019 Project Jordan: A Maize Wet Mill Plant, Vereeniging	Project Jordan Holding Company (Pty) Ltd is developing a maize wet mill plant to gain additional supply chain control. SLR supported the client team with up front site selection, analysis of pre investment fatal flaws, environmental & social impact assessment, environmental permitting, preparation for IFC funding review. The project is in Gauteng, RSA. Alex's role was as project manager.
2014-Current Pilanesberg Platinum Mine: Processing Plant Expansion, North West	Pilanesberg Platinum Mine is planning to make changes to its mineral processing plant to allow for improved recoveries and the KELL treatment of concentrate on site. SLR is providing services for environmental & social impact assessment, closure planning and environmental permitting. Alex's role is as assessment practitioner.
2014-2019 Commissiekraal Coal project, Kwa-Zulu Natal	Tholie Logistics (Pty) Ltd proposed the development of a greenfields Coal Mine (Commissiekraal Coal Project). SLR provided services for environmental & social impact assessment, environmental permitting and rehabilitation and closure planning. Alex's role was as overall project manager and assessment practitioner.
2018 Dangote Coal Environmental and Social Risk Assessment, Nigeria	Dangote own and operate an opencast coal mine in Nigeria. Dangote wanted to understand the potential for long term environmental degradation and/or loss of livelihoods affecting community health as a result of its activities and the potential for residual risks at closure. SLR supported the client team with a site-specific environmental and social risk assessment. Alex's role was as overall project manager and assessment practitioner.
2009-2016 Letlhakane Uranium and Coal Mine, Botswana	A-Cap Resources Limited proposed the development of a greenfields Uranium and Coal Mine (Letlhakane Project). SLR provided services for environmental & social impact assessment, environmental permitting and rehabilitation and closure planning. Alex's role was as overall project manager and assessment practitioner.
2013 Omitiomire Copper Mining Project, Namibia	Craton Mining and Exploration (Pty) Ltd proposed the development of a greenfields copper oxide project (Omitiomire project) (Namibia). SLR provided services for environmental & social impact assessment, environmental permitting and rehabilitation and closure planning. Alex's role was as technical E&S reviewer.
2013 Fairway Mining Project, Mpumalanga	Aquarius Platinum (South Africa) (Pty) Ltd proposed an extension of its Everest Platinum Mine to include an additional resource area (Fairway project). SLR provided services for environmental & social impact assessment, environmental permitting and rehabilitation and closure planning. Alex's role was as technical E&S reviewer.
2013 Hoogland Mining Project, Mpumalanga	Aquarius Platinum (South Africa) (Pty) Ltd proposed an extension of its Everest Platinum Mine to include an additional resource area (Hoogland Project). SLR provided services for environmental & social impact assessment, environmental permitting and rehabilitation and closure planning. Alex's role was as overall project manager and assessment practitioner.

2012 Moonlight Iron Ore Project, Limpopo	Turquoise Moon Trading (Pty) Ltd proposed the development of a greenfields iron ore mine development (Moonlight iron ore project) near Lephalale (Ellisras). SLR provided services for environmental & social impact assessment, environmental permitting and rehabilitation and closure planning. Alex's role was as overall project manager and assessment practitioner.
2012 Lafarge Lichtenburg Alternative Fuels Project, North West	Lafarge invested in this process in the interests of evaluating the feasibility of using alternative fuels (including used rubber tyres) in its cement kilns. SLR provided services for environmental & social impact assessment and environmental permitting. Alex's role was as overall project manager and assessment practitioner.
2010 Closure application for Impala, North West Province	Impala Platinum Limited applied for closure of its Turffontein 263JQ and Kookfontein 265JQ prospecting right and its Reinkoyalskraal 278JQ and Elandsheuwel prospecting right. SLR supported the client team with a closure plan including the assessment of the closure risks, a final EMP performance assessment, re-assessment of its financial provision and public consultation. Alex's role was as technical E&S reviewer.
2008, 2010 Financial Provision re- assessments for Everest Platinum Mine, Mpumalanga Province	Aquarius Platinum (SA) (Pty) Ltd owned and operated Everest Platinum Mine. A requirement of the mine was to undertake annual financial provision updates and bi-annual EMP performance assessments. SLR supported the client team with its 2009 and 2010 Annual Re-Assessments of Everest Platinum Mine's closure cost estimate. Alex's role was as auditor, project manager and/or technical E&S reviewer.
2008-2009 Consultation in support of a closure application, North West Province	Impala Platinum Limited applied for closure of one of its prospecting rights. SLR supported the client team with the consultation with landowners in support of the closure application. Alex's role was as project manager.
2005-2010 Various Prospecting Projects, Mpumalanga, Limpopo and North West	Undertook EIAs for prospecting projects that included drilling activities and associated support facilities and services for platinum, iron and manganese minerals. Applicant companies included Mkhombi Mining (Pty), Spirapix Mining (Pty), Impala Platinum Limited, Braggite Resource (Pty) Ltd, Nelesco 684 (Pty) Ltd, Bakgatla Ba Kgafela Tribal Authority, Xstrata South Africa (Pty) Ltd.
2007-2008 Mphahlele Mine and Concentrator Project, Limpopo	Tameng Mining and Exploration (Pty) Ltd proposed the development of a greenfields platinum mine and concentrator Plant (Mphahlele Project). SLR provided services for environmental & social impact assessment, environmental permitting and rehabilitation and closure planning. Alex's role was as overall project manager and assessment practitioner.
Financial Provision, Rehabilitation Planning, Closure	
Current Closure of Impala prospecting rights in the North West Province	Impala is planning the closure of two of its prospecting rights in the western limb of the Bushveld Complex. SLR supported the client team with environmental & social impact assessment, rehabilitation and closure planning and financial provision calculations. Alex's role was as project manager.
Current Closure of Marula prospecting right in the Limpopo Province	Impala is planning the closure of its Hackney prospecting right in the eastern limb of the Bushveld Complex. SLR supported the client team with environmental & social impact assessment, rehabilitation and closure planning and financial provision calculations. Alex's role was as technical reviewer.

2017 Closure Plan for B2Gold's mine in Namibia	As part of its ongoing closure and rehabilitation planning, B2Gold Namibia developed a mine closure plan for its operations in Namibia. SLR supported the client team with rehabilitation and closure planning and financial provision calculations. Alex's role was as E&S specialist and included the drafting of the mine closure plan.
2016 Damang EMP and Reclamation Plan Update, Ghana	On an annual basis Abosso Goldfields Limited update the Damang EMP and reclamation plan in line with local regulations. SLR supported the client team with an assessment of the appropriateness of the EMP to support closure, revision of mitigation and rehabilitation measures and related costs. Alex's role was as technical E&S reviewer.
2008 - 2018 Various Financial Provision Assessments: Platinum, Manganese	Financial provision re-assessments of prospecting rights are undertaken on a regular basis in line with local regulations. SLR has supported various client teams including Impala Platinum Limited in the North West, Mpumalanga and Limpopo Provinces; Afplats, Inkosi and Imbasa in the North West Province; and Ntsimbintle Mining (Pty) Ltd in the Northern Cape. Alex's role was as project manager and/or technical E&S reviewer.
2010 Closure application for Impala, North West Province	Impala Platinum Limited applied for closure of its Turffontein 263JQ and Kookfontein 265JQ prospecting right and its Reinkoyalskraal 278JQ and Elandsheuwel prospecting right. SLR supported the client team with a closure plan including the assessment of the closure risks, a final EMP performance assessment, re-assessment of its financial provision and public consultation. Alex's role was as technical E&S reviewer.
2008, 2010 Financial Provision re-assessments for Everest Platinum Mine, Mpumalanga Province	Aquarius Platinum (SA) (Pty) Ltd owned and operated Everest Platinum Mine. A requirement of the mine was to undertake annual financial provision updates and bi-annual EMP performance assessments. SLR supported the client team with its 2009 and 2010 Annual Re-Assessments of Everest Platinum Mine's closure cost estimate. Alex's role was as auditor, project manager and/or technical E&S reviewer.
2008-2009 Consultation in support of a closure application, North West Province	Impala Platinum Limited applied for closure of one of its prospecting rights. SLR supported the client team with the consultation with landowners in support of the closure application. Alex's role was as project manager.
Due Diligence, Compliance Monitoring, Reviews, Expert Consultant	
2017 Bioremediation project, Northern Cape	To address potential historical contamination of a residential area ahead of advancing mining, identification and remediation of areas was required. SLR supported the client team through identification of potentially contaminated areas, preparation of remediation plans and facilitation of the DEA bioremediation process. Alex's role was as overall project manager.
2013-2015 Bioremediation project, Northern Cape	TransHex Baken Diamond mine is an existing mining operation in the Northern Cape. To address the ongoing need for remediation of hydrocarbon contaminated soils, a bioremediation project was implemented at the mine. SLR supported the client team with the environmental & social impact assessment for a waste management license for the bioremediation operation. Alex's role was as project manager.

2008 - 2018 Various EMP Performance Assessments: Platinum, Manganese	EMP performance assessments of prospecting rights are undertaken on a regular basis in line with local regulations. SLR has supported various client teams including Impala Platinum Limited in the North West, Mpumalanga and Limpopo Provinces; Afplats, Inkosi and Imbasa in the North West Province; and Ntsimbintle Mining (Pty) Ltd in the Northern Cape. Alex's role was as auditor, project manager and/or technical E&S reviewer.
2017 Food and Beverage Development, Gauteng	Technical E&S Lead: Fatal flaw analysis/site selection screening for a food and beverage developments in Gauteng
2016 Wind Farms	Environmental Specialist: Environmental and Social Due Diligence Review of two wind farm assets located in South Africa
	Policy drafting
2008 Stakeholder Exploration Policy, Guideline document and Procedure	As part of its ongoing exploration operations, the Implats Group identified the need to develop a series of documents that would guide them when engaging with stakeholders including landowners and land users. The documents included a policy, a guideline document and procedure for stakeholder participation during explorations operations. Alex provided assistance with the drafting of these documents.
MEMBERSHIPS	
Registered EAP	Registered as an Environmental Assessment Practitioner (EAP) the with Environmental Assessment Practitioners Association of South Africa (EAPASA) (Reg. No. 2019/1495)
PrSciNat	Registered with the South African Council for Natural Scientific Professions as a Professional Natural Scientist (PrSciNat) in Environmental Science (Reg. No. 400183/05)
EAPAN	Registered with the Environmental Assessment Professionals of Namibia (EAPAN) as a Lead Practitioner (Membership No. 121)
IAIA	Member of the International Association for Impact Assessments (IAIA), South African Affiliate since 2005
PUBLICATIONS	
As part of Masters Dissertation	Onderstepoort Journal of Veterinary Science, 2005. "Aspects of the ecology of the Asian tapeworm <i>Bothriocephalus acheilognathi</i> Yamaguti, 1934 in yellow fish in the Vaal dam, South Africa"



herewith certifies that

Alessandra Pheiffer

Registration number: 400183/05

is registered as a

Professional Natural 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

Effective 26 July 2005

Expires 31 March 2019



President

Executive Director

EAPASA

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Environmental Assessment Practitioners Association of South Africa

Advancing environmental assessment practice in South Africa



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

Mrs Alessandra Pheiffer
27 Ben Road, Bryanston Homestead
Douglasdale
Johannesburg
2191

Sent by email to: apheiffer@slrconsulting.com

Dear Mrs Pheiffer

Registered Environmental Assessment Practitioner: Number 2019/1495
Alessandra Pheiffer : South African ID 7608070134088

The Environmental Assessment Practitioners Association of South Africa (EAPASA) herewith certifies that Alessandra Pheiffer 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 24 January 2020, and expires on 24 January 2025. The renewal of your registration in 2025 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 Richard Hill
Registrar
Date: 24 January 2020

*Board Members: Ms Snowy Makhudu (Chairperson), Mr Khangwelo Desmond Musetsho (Vice-Chairperson),
Mr Ntsako Baloyi, Mr Zama Dlamini, Mr Siyabonga Gqalangile, Ms Jacqui Hex, Ms Sibusisiwe Hlela,
Mr Malcolm Moses, Mr Phumudzo Nethwadzi, Mr Danie Neumann, Ms Keshni Rughoobee.*

*Registrar: Dr Richard Hill
NPO Reg. No. 122-986*

CURRICULUM VITAE



NATASHA SMYTH

ENVIRONMENTAL ASSESSMENT PRACTITIONER

EMPA, South Africa

QUALIFICATIONS

BSc Hons 2008

Environmental Sciences and Development

BSc 2007

Environmental and Biological Sciences

EXPERTISE

- Environmental Impact Assessments
- Environmental Compliance and Monitoring
- Environmental Due Diligence
- Management and facilitation of permitting and licensing processes
- Management and facilitation of stakeholder engagement processes
- Financial Provision, Closure and Rehabilitation Planning

Natasha is an environmental practitioner with SLR's South Africa office and is responsible for various environmental assessment projects. Natasha has ten years of experience within the Minerals sector, both as a project manager and assistant to various projects in South Africa and Africa.

Natasha has managed and assisted in a wide range of Environmental Impact Assessment projects for major and small-scale minerals developments throughout South Africa as well as in Namibia for many of the major operators within the minerals industry.

Since 2009 Natasha has been involved in over 50 projects of which she has project managed 36 projects varying in complexity with primary focus within the mining industry.

PROJECTS

Key aspects of Natasha's recent project experience are summarised below.

Integrated Environmental Assessment Process for the Mamatwan Mine (Northern Cape Province) 2019 to 2020 - Manganese

Project Manager. Compilation of a Section 24G report, compilation of a scoping and environmental management programme reports, and an amendment of a Water Use Licence. The management of the stakeholder engagement process and a full set of specialists.

Environmental Assessment process for prospecting rights for Khwara Manganese (Pty) Ltd (Northern Cape Province) 2019 to 2020 - Manganese

Project Manager. Compilation of Basic Assessment Report and the management of the stakeholder engagement process and specialists in support two separate prospecting right applications.

Environmental Assessment Process for the proposed alternative closure and rehabilitation strategy for the Tshipi Borwa Mine (Northern Cape Province) 2018 to 2019 - Manganese

Project Manager. Compilation of Basic Assessment Report and environmental management programme reports. The management of the stakeholder engagement process, multi-disciplinary specialist team both within South Africa and the UK. Assistant with the compilation of the Financial Provision Specialist Report.

Environmental Assessment Process for the merging of the Mamatwan Mine Sinterfontein Waste Rock dump and the Tshipi Eastern Waste Rock dump for the South32 Mamatwan mine (Northern Cape Province) 2019 - Manganese	Project Manager. Compilation of Basic Assessment Report and environmental management programme reports and the Water Use Licence Application. The management of the stakeholder engagement process specialist team including the compilation of the Financial Provision Specialist Report.
Minimum Air Quality Emissions Standard Postponement Application for Anglo American Platinum's Polokwane (Limpopo Province), Waterval (North West Province) and Mortimer Smelter (Limpopo Province) operations (2018 to 2019) - Platinum	Project Manager. Management of Stakeholder Engagement Process as part of an Air Quality Minimum Emissions Standards Postponement Application Process for the Waterval, Polokwane and Mortimer Smelter Complexes.
Minimum Air Quality Emissions Standard Postponement Application for the Zondereinde Northam Platinum Mine in the Limpopo Province in the Limpopo Province (2018 to 2019) - Platinum	Project Manager. Management of Stakeholder Engagement Process as part of an Air Quality Minimum Emissions Standards Postponement Application Process for the Zondereinde Smelter Complex.
Integrated Water Use Licence Application for the Lehating mine in the Northern Cape Province (2018 - 2019) - Manganese	Project Manager. Compilation of the Integrated Water and Waste Management Plan, Water Use Licence Application forms and the management of specialists in support of the Lehating Integrated Water Use Licence Application.
Integrated Water Use Licence Application for the new Khwara manganese mine in the Northern Cape Province (2018 - 2019) - Manganese	Project Manager. Compilation of the Integrated Water and Waste Management Plan, Water Use Licence Application forms, the management of specialists and authority liaison in support of the Khwara Integrated Water Use Licence Application.
Monthly environmental support for the Tshipi Borwa Mine (2018 – 2019) - Manganese	Project Manager. Off-site environmental support work.
Financial Provision for Infrastructure Changes at the Zondereinde Northam Platinum Mine in the Limpopo Province (2018) - Platinum	Project Manager. Compilation of the financial provision report for infrastructure changes at the Zondereinde Smelter Complex as part of a basic assessment process for changes to infrastructure at the smelter.
EMP commitments consolidation of the Tshipi and Mamatwan Mine for the mining of the barrier pillar in the Northern Cape Province (2018) - Manganese	Project Manager. Compilation of a barrier pillar mining commitments report to outline the collective environmental management programme, integrated water use licence and environmental authorisation commitments for both Tshipi and South32 specifically for the mining of the barrier pillar.

ESIA for the retreatment of copper tailings dams in the town of Kitwe in Zambia (2017 - 2018) - Copper	Project Manager. Compilation of scoping report and terms of reference. Compilation of the environmental and social impact assessment report to meet IFC requirements. Management of multi-disciplinary specialist studies. Co-ordination of specialist teams within Zambia and South Africa. Management of stakeholder engagement process.
Environmental compliance audit for the Sishen Dingleton resettlement site in the Northern Cape Province (2017)	Project Manager. Assess compliance with the conditions outlined in the environmental authorisation and the approved environmental management programme.
Environmental compliance audit for the Sishen Dingleton decommissioning site in the Northern Cape Province (2017)	Project Manager. Assess compliance with the conditions outlined in the environmental authorisation and the approved environmental management programme.
Atmospheric Emissions Compliance Audit for the Zondereinde Northam Platinum Mine in the Limpopo Province (2017) - Platinum	Project Manager. Assess compliance with the conditions of the atmospheric emissions licence for the Zondereinde Mine and report compilation.
Environmental compliance audit for the Northam Platinum Mine in the Limpopo Province (2017) - Platinum	Project Manager. Undertake an environmental compliance audit of the Zondereinde Mine in terms of applicable legislation and report compilation.
Independent Peer Review of the Vaal Gamagara Water Supply Scheme in the Northern Cape Province (2017)	Project co-ordinate. Management of specialists and review of environmental permitting aspects and assistance with report compilation.
Due diligence for a smelter complex and associated mine located in the North West Province (2016- 2017) - Ferrochrome	Project Manager. Team co-ordination and compilation of due diligence report
EIA and EMP for the development of the new Khwara underground mine in the Northern Cape Province (2016- 2017) - Manganese	Project Manager. Compilation of scoping and environmental impact assessment and environmental management programme reports. Management of specialists and stakeholder engagement process and compilation of the financial provision report.
Environmental assessment process to cater for changes to the approved infrastructure layout at the Tshipi Borwa Mine in the Northern Cape Province (2012-2017) - Manganese	Project Manager. Compilation of scoping and environmental impact assessment and environmental management programme reports. The management of the stakeholder engagement process and specialists.
Preliminary close out audit for the Sishen Mine Dingleton Resettlement site near Kathu in the Northern Cape Province (2016)	Project Manager. Assess compliance with the conditions outlined in the environmental authorisation and the approved environmental management programme.

Update of the basic assessment report for the establishment of a diesel generator as part of dewatering infrastructure at the Evander No. 6 Shaft complex in the Mpumalanga Province (2016)	Project Manager. Update the basic assessment report to comply with the DMR report template
Environmental assessment process and air emissions license process for the establishment of the new Jeanette Mine in the Free State Province (2015-2016) - Gold	Project Manager. Compilation of scoping and environmental impact assessment and environmental management programme reports. Compilation of the technical supporting information required for a waste management license application and an air emissions license application. The management of the stakeholder engagement process and specialists.
Water Use License Compliance Audit for the UMK Mine in the Northern Cape Province (2015 - 2016) - Manganese	Project Manager. Assess compliance with the commitments included in the water use licenses issued and make recommendations for rectifying non-compliances and partial compliances identified during the audit.
Basic Assessment for undertaking prospecting related activities for Impala Platinum Mine in the North West Province (2015 -2016) - Platinum	Project Manager. Compilation of basic assessment report, management of specialists, management of stakeholder engagement process.
Environmental compliance audit for the UMK Mine in the Northern Cape Province (2015 -2016) - Manganese	Project Manager. Assess compliance with the conditions outlined in the environmental authorisation and the approved environmental management programme.
Environmental assessment process, waste management license process and water use license process for the establishment of a new Mokala Manganese Mine in the Northern Cape Province (2014-2016) - Manganese	Project Manager. Compilation of scoping and environmental impact assessment and environmental management programme reports. Compilation of the technical supporting information required for a water use license application process and submission of the waste management license application. The management of the stakeholder engagement process and specialists.
Environmental assessment process for the proposed construction of dewatering infrastructure and the development of a decant water pipeline in support of the proposed Evander Shaft 6 in the Mpumalanga Province (2014) - Gold	Project Manager. Compilation of a basic assessment report, the management of the stakeholder engagement process and the management of specialists.
Environmental legal gap analysis for Rappa Resources in the Gauteng Province (2014) - Gold	Project Manager. Compilation of an environmental legal gap analysis report to identify any inadequacies in existing approvals and to identify outstanding approvals in terms of the National Environmental Management Act 107 of 1998, the National Environmental Management: Waste Act 59 of 2008, the National Environmental Management: Air Quality Act 39 of 2004, and the National Water Act 36 of 1998 (NWA).

Environmental support work to meet the requirements of the approved environmental management programme and updating the water use license application for the UMK Mine in the Northern Cape Province (2009-2014) - Manganese	Project Manager. Environmental support with regards to assistance to the UMK Mine in implementing its environmental management programme commitments. This also includes quarterly stakeholder engagement processes, EMP performance assessments and quarterly audits. Updating the water use license and supporting documentation including a new integrated water and waste management plan and specialist management
Environmental Management Programme amendment for the Nooitgedacht Sand Quarry Mine in the Gauteng Province (2013) - Sand	Project Manager. Compilation environmental impact assessment and environmental management programme amendment report.
Proposed Kinsenda project amendment: underground mine and surface infrastructure for Meterox, Kinsenda Copper mine in the DRC (2013) - Copper	Project assistant. Assistance with the compilation of the environmental impact assessment and environmental management programme report.
The environmental assessment process to amend the existing environmental impact assessment report and environmental management programme report to cater for infrastructure changes as the Leeuwkop Platinum Mine in the North West Province (2012-2013) - Platinum	Project Manager. Compilation of scoping and environmental impact assessment and environmental management programme amendment reports. Submission of the waste management license application. The management of the stakeholder engagement process and specialists.
Environmental and social impact overview of the proposed development of a new training centre at the Impala Platinum Rustenburg Operation in the North West Province (2013) - Platinum	Project Manager. Compilation of a report to provide an overview of the potential environment and social impacts associated with the development of the proposed training centre.
Environmental Management Programme performance assessment of the Impala Rustenburg Operation in the North West Province (2012) - Platinum	Project assistant. Assistance with the on-site auditing and report writing required for the environmental management programme performance assessment
Prospecting environmental management plan renewal and amendment Afplats in the North West Province (2012) - Platinum	Project Manager. Compilation of the reports required for the renewal of a prospecting right, the amendment of an approved prospecting environmental management plan including the update of the financial provision and the management of the stakeholder engagement process.

Prospecting environmental management plan renewal and amendment (Impala Platinum Limited on behalf of Inkosi Platinum in the North West Province (2012) - Platinum	Project Manager. Compilation of the reports required for the renewal of a prospecting right, the amendment of an approved prospecting environmental management plan including the update of the financial provision and the management of the stakeholder engagement process.
Prospecting environmental management plan amendment Ntsimbintle Mining (Pty) Ltd in the Northern Cape Province (2012) - Manganese	Project Manager. Compilation of the prospecting environmental management plan amendment report and specialist management.
The consolidation of Impala's fourteen existing approved environmental management programme reports into one consolidated report in the North West Province (2012) - Platinum	Project Manager. Compilation of a consolidated environmental impact assessment and environmental management programme report include the management of the stakeholder engagement process
Environmental evaluation of Pit8C at Impala Platinum in the North West Province (2012) - Platinum	Project Manager. Compilation of a report to evaluate if the approved EIA and EMP amendment report adequately caters for the proposed Pit8C conventional opencast mining area, in terms of the baseline environment, the impact assessment and the mitigation/management measures.
Environmental assessment process for the environmental impact assessment and environmental management programme amendment for a proposed new tailings dam, re-processing of an old tailings dam, rehabilitation of the old tailings and waste disposal site, and open pit expansion for Impala Platinum Limited (Rustenburg Operation) in the North West Province (2011-2012) - Platinum	Project Manager. Compilation of scoping and environmental impact assessment and environmental management programme reports. Compilation of the technical supporting information required for a water use license application process. The management of the stakeholder engagement process and specialists
EIA and EMP for the establishment of the Swakop Uranium Mine in Namibia (2011)	Project assistant. Project assistant with stakeholder engagement and managing specialists.
EIA and EMP for the establishment of the new Husab Uranium Mine in Namibia (2011) - Uranium	Project assistant. Project assistant with stakeholder engagement and managing specialists.
EIA and EMP for the linear infrastructure associated with the Swakop Uranium Mine in Namibia (2010-2011) - Uranium	Project assistant. Project assistant with stakeholder engagement and managing specialists.

Environmental assessment process for the establishment of the new Turquoise iron ore mine in the Limpopo Province (2010-2011) – Iron Ore	Project assistant. Assistance with the stakeholder engagement process.
Environmental assessment process (2010)	Project assistant. Assistance with the compilation of the environmental impact assessment and environmental management programme report.
Environmental assessment process for the establishment of the new Kalkfontein Platinum Mine in the Limpopo Province (2010)	Project assistant. Assistance with the stakeholder engagement process.
Prospecting EMP for platinum group metals for Braggite Resources in the Mpumalanga Province (2010)	Project manager. Compilation of a prospecting EMP and stakeholder management process.
Compilation of the EIA and EMP reports for the Lonshi Copper Mine located in the DRC (2009-02010)	Project Assistant. Assistance with the compilation of the EIA and EMP reports for the Lonshi Copper Mine
Licensing of various water uses at the South Deep Mine in the North West Province (2009)	Project assistant. Assistant with water use licensing application.
Stakeholder engagement process for the Everest Platinum Mine as part of an EMP amendment to the extension of mining activities and changes to surface infrastructure in the Mpumalanga Province (2009)	Project assistant. Assistance with the stakeholder engagement process.
Stakeholder engagement process for the EIA and EMP amendment process for the new Northern Cape Manganese Company Mine (2009)	Project assistant. Assistance with the stakeholder engagement process.

CURRICULUM VITAE



GUGU DHLAMINI

JUNIOR ENVIRONMENTAL CONSULTANT

Environmental Management Planning & Approvals,
South Africa

QUALIFICATIONS

BSc (Hons)	2018	Environmental Sciences
BSc	2017	Applied Sciences in Environmental Technology

EXPERTISE

- Stakeholder Engagement
- Public Participation Processes

Gugu is a Junior Environmental Consultant with SLR and has just over a year's experience within the environmental consulting field. Gugu has assisted in various mining projects since joining the company.

PROJECTS

Afplats Wolvekraal PR Closure (Present)	Project Assistant. Basic Assessment, Environmental Management Programme and Closure Plan for the Closure of the Wolvekraal Prospecting Right
Norplats Plant Substation Expansion (Present)	Project Assistant. Basic Assessment and Environmental Management Programme Report for the Upgrade of the Plant Substation at the Zondereinde Mine
Lehating EMP Amendment (Present)	Project Assistant. Basic Assessment and Environmental Management Programme Report for the Consolidation of the Lehating and Khwara Mining Right Areas and Changes to the Approved Layout
UMK Closure Amendment EIA- (2019-Present)	Project Assistant. Environmental Impact Assessment and Environmental Management Programme for UMK Mine Closure Amendment
Mamatwan Integrated Regulatory Process (2019 - Present)	Project Assistant. EIA and EMP to cater for layout/activity changes that have already taken place at the MMT as well as proposed layout/activity changes
Mamatwan Basic Assessment- Waste Rock Dump merge (2019 - Present)	Project Assistant. Basic Assessment Report and Environmental Management Programme Report for the Merging of The Mamatwan Sinterfontein WRD and Tshipi Eastern WRD
Project Badger (2019 – 2020)	Project Assistant. Registration of the Storage of Alcohol at the Anheuser-Busch Inbev (Abinbev) Chamdor Brewery
Tshipi EMP3 Closure project (2019)	Project Assistant. Basic Assessment Report and Environmental Management Programme Report for The Alternative Closure and Rehabilitation Project at the Tshipi Borwa Mine

Minimum Air Quality Emissions Standards Postponement Application for Impala Platinum Limited (North West Province) (2019)	<p>Project Assistant. Assistant with the Stakeholder Engagement Process as part of an Air Quality Minimum Emissions Standards Postponement Application Process for the Impala Smelter Complex.</p>
Minimum Air Quality Emissions Standard Postponement Application for Anglo American Platinum's Polokwane (Limpopo Province), Waterval (North West Province) and Mortimer Smelter (Limpopo Province) operations (2019)	<p>Project Assistant. Assistant with the Stakeholder Engagement Process as part of an Air Quality Minimum Emissions Standards Postponement Application Process for the Waterval, Polokwane and Mortimer Smelter Complexes.</p>
Minimum Air Quality Emissions Standard Postponement Application for the Zondereinde Northam Platinum Mine in the Limpopo Province (2019)	<p>Project Assistant. Assistant with the Stakeholder Engagement Process as part of an Air Quality Minimum Emissions Standards Postponement Application Process for the Zondereinde Smelter Complex.</p>