

# CURRICULUM VITAE



## NATASHA SMYTH

### ENVIRONMENTAL ASSESSMENT PRACTITIONER

EMPA, South Africa

### QUALIFICATIONS

BSc Hons 2008

Geography and Environmental Management

BSc 2007

Environmental and Biological Sciences

### EXPERTISE

- Management and facilitation of permitting and licensing processes
- Management of stakeholder engagement processes
- Overall Project Management

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 40 projects of which she has project managed 8 major and numerous small scale Environmental Impact Assessments for minerals extraction operations

### PROJECTS

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

**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)**

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)**

Project Manager. Management of Stakeholder Engagement Process as part of an Air Quality Minimum Emissions Standards Postponement Application Process for the Zondereinde Smelter Complex.

<p><b>Integrated Water Use Licence Application for the Lehating manganese mine in the Northern Cape Province (2018 - 2019)</b></p>	<p>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.</p>
<p><b>Integrated Water Use Licence Application for the new Khwara manganese mine in the Northern Cape Province (2018 - 2019)</b></p>	<p>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.</p>
<p><b>Monthly environmental support for the Tshipi Borwa Mine (2018 – 2019)</b></p>	<p>Project Manager. Off-site environmental support work.</p>
<p><b>Financial Provision for Infrastructure Changes at the Zondereinde Northam Platinum Mine in the Limpopo Province (2018)</b></p>	<p>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.</p>
<p><b>EMP commitments consolidation of the Tshipi and Mamatwan Mine for the mining of the barrier pillar in the Northern Cape Province (2018)</b></p>	<p>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.</p>
<p><b>ESIA for the retreatment of copper tailings dams in the town of Kitwe in Zambia (2017 - 2018)</b></p>	<p>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.</p>
<p><b>Environmental compliance audit for the Sishen Dingelton resettlement site in the Northern Cape Province (2017)</b></p>	<p>Project Manager. Assess compliance with the conditions outlined in the environmental authorisation and the approved environmental management programme.</p>
<p><b>Environmental compliance audit for the Sishen Dingelton decommissioning site in the Northern Cape Province (2017)</b></p>	<p>Project Manager. Assess compliance with the conditions outlined in the environmental authorisation and the approved environmental management programme.</p>
<p><b>Atmospheric Emissions Compliance Audit for the Zondereinde Northam Platinum Mine in the Limpopo Province (2017)</b></p>	<p>Project Manager. Assess compliance with the conditions of the atmospheric emissions licence for the Zondereinde Mine and report compilation.</p>
<p><b>Environmental compliance audit for the Northam Platinum Mine in the Limpopo Province (2017)</b></p>	<p>Project Manager. Undertake an environmental compliance audit of the Zondereinde Mine in terms of applicable legislation and report compilation.</p>
<p><b>Independent Peer Review of the Vaal Gamagara Water Supply Scheme in the Northern Cape Province (2017)</b></p>	<p>Project co-ordinate. Management of specialists and review of environmental permitting aspects and assistance with report compilation.</p>

<p><b>Due diligence for a smelter complex and associated mine located in the North West Province (2016- 2017)</b></p>	<p>Project Manager. Team co-ordination and compilation of due diligence report</p>
<p><b>EIA and EMP for the development of the new Khwara underground mine in the Northern Cape Province (2016-2017)</b></p>	<p>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.</p>
<p><b>Environmental assessment process to cater for changes to the approved infrastructure layout at the Tshipi Borwa Mine in the Northern Cape Province (2012-2017)</b></p>	<p>Project Manager. Compilation of scoping and environmental impact assessment and environmental management programme reports. The management of the stakeholder engagement process and specialists.</p>
<p><b>Preliminary close out audit for the Sishen Mine Dingleton Resettlement site near Kathu in the Northern Cape Province (2016)</b></p>	<p>Project Manager. Assess compliance with the conditions outlined in the environmental authorisation and the approved environmental management programme.</p>
<p><b>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)</b></p>	<p>Project Manager. Update the basic assessment report to comply with the DMR report template</p>
<p><b>Environmental assessment process and air emissions license process for the establishment of the new Jeanette Mine in the Free State Province (2015-2016)</b></p>	<p>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.</p>
<p><b>Water Use License Compliance Audit for the UMK Mine in the Northern Cape Province (2015 - 2016)</b></p>	<p>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.</p>
<p><b>Basic Assessment for undertaking prospecting related activities for Impala Platinum Mine in the North West Province (2015 -2016)</b></p>	<p>Project Manager. Compilation of basic assessment report, management of specialists, management of stakeholder engagement process.</p>
<p><b>Environmental compliance audit for the UMK Mine in the Northern Cape Province (2015 -2016)</b></p>	<p>Project Manager. Assess compliance with the conditions outlined in the environmental authorisation and the approved environmental management programme.</p>

<p><b>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)</b></p>	<p>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.</p>
<p><b>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 Gold in the Mpumalanga Province (2014)</b></p>	<p>Project Manager. Compilation of a basic assessment report, the management of the stakeholder engagement process and the management of specialists.</p>
<p><b>Environmental legal gap analysis for Rappa Resources in the Gauteng Province (2014)</b></p>	<p>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).</p>
<p><b>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)</b></p>	<p>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</p>
<p><b>Environmental Management Programme amendment for the Nooitgedacht Sand Quarry Mine in the Gauteng Province (2013)</b></p>	<p>Project Manager. Compilation environmental impact assessment and environmental management programme amendment report.</p>
<p><b>Proposed Kinsenda project amendment: underground mine and surface infrastructure for Meterox, Kinsenda Copper mine in the DRC (2013)</b></p>	<p>Project assistant. Assistance with the compilation of the environmental impact assessment and environmental management programme report.</p>
<p><b>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)</b></p>	<p>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.</p>

<p><b>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)</b></p>	<p>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.</p>
<p><b>Environmental Management Programme performance assessment of the Impala Rustenburg Operation in the North West Province (2012)</b></p>	<p>Project assistant. Assistance with the on-site auditing and report writing required for the environmental management programme performance assessment</p>
<p><b>Prospecting environmental management plan renewal and amendment Afplats in the North West Province (2012)</b></p>	<p>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.</p>
<p><b>Prospecting environmental management plan renewal and amendment (Impala Platinum Limited on behalf of Inkosi Platinum in the North West Province (2012)</b></p>	<p>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.</p>
<p><b>Prospecting environmental management plan amendment Ntsimbintle Mining (Pty) Ltd in the Northern Cape Province (2012)</b></p>	<p>Project Manager. Compilation of the prospecting environmental management plan amendment report and specialist management.</p>
<p><b>The consolidation of Impala’s fourteen existing approved environmental management programme reports into one consolidated report in the North West Province (2012)</b></p>	<p>Project Manager. Compilation of a consolidated environmental impact assessment and environmental management programme report include the management of the stakeholder engagement process</p>
<p><b>Environmental evaluation of Pit8C at Impala Platinum in the North West Province (2012)</b></p>	<p>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.</p>

<p><b>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)</b></p>	<p>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</p>
<p><b>EIA and EMP for the establishment of the Swakop Uranium Mine in Namibia (2011)</b></p>	<p>Project assistant. Project assistant with stakeholder engagement and managing specialists.</p>
<p><b>EIA and EMP for the establishment of the new Husab Uranium Mine in Namibia (2011)</b></p>	<p>Project assistant. Project assistant with stakeholder engagement and managing specialists.</p>
<p><b>EIA and EMP for the linear infrastructure associated with the Swakop Uranium Mine in Namibia (2010-2011)</b></p>	<p>Project assistant. Project assistant with stakeholder engagement and managing specialists.</p>
<p><b>Environmental assessment process for the establishment of the new Turquoise iron ore mine in the Limpopo Province (2010-2011)</b></p>	<p>Project assistant. Assistance with the stakeholder engagement process.</p>
<p><b>Environmental assessment process (2010)</b></p>	<p>Project assistant. Assistance with the compilation of the environmental impact assessment and environmental management programme report.</p>
<p><b>Environmental assessment process for the establishment of the new Kalkfontein Platinum Mine in the Limpopo Province (2010)</b></p>	<p>Project assistant. Assistance with the stakeholder engagement process.</p>
<p><b>Prospecting EMP for platinum group metals for Braggite Resources in the Mpumalanga Province (2010)</b></p>	<p>Project manager. Compilation of a prospecting EMP and stakeholder management process.</p>
<p><b>Compilation of the EIA and EMP reports for the Lonshi Copper Mine located in the DRC (2009-02010)</b></p>	<p>Project Assistant. Assistance with the compilation of the EIA and EMP reports for the Lonshi Copper Mine</p>
<p><b>Licensing of various water uses at the South Deep Mine in the North West Province (2009)</b></p>	<p>Project assistant. Assistant with water use licensing application.</p>

<p><b>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)</b></p>	<p>Project assistant. Assistance with the stakeholder engagement process.</p>
<p><b>Stakeholder engagement process for the EIA and EMP amendment process for the new Northern Cape Manganese Company Mine (2009)</b></p>	<p>Project assistant. Assistance with the stakeholder engagement process.</p>

# CURRICULUM VITAE



## BRANDON STOBART

### REGIONAL MANAGER

Environmental & Social Assessment, Africa

## QUALIFICATIONS

MBA	2006	Masters in Business Administration
EARA	2001	Environmental auditor qualification
LLB	1997	Law
BA	1994	Economics and Environmental Science

## EXPERTISE

- Environmental & Social Assessment
- Environmental & Social Management and Compliance
- Environmental & Social Due Diligence
- Project and Stakeholder Management

Brandon has 20 years of experience working on both green and brown field capital investment and operational projects in a range of sectors including: industry, infrastructure, power, oil & gas and mining. A key component of Brandon's experience is working with project teams to formulate and implement environmental and social strategies that maximise resource efficiency and achieve both social licence to operate and regulatory compliance. Brandon has project managed large multi-disciplinary teams across multiple geographies, with varying legislative frameworks and currencies. In the African context, Brandon has also worked extensively with the International Finance Corporation and Equator Principle Performance Standards.

## PROJECT SAMPLE

	<b>Industry Sector</b>
<b>ABInBev – green field glass bottle manufacturing plant (2017 -2018)</b>	ABInBev is developing a glass bottle manufacturing furnace and associated 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. Brandon's role was a combination of project management and technical review.



<p><b>Coca Cola &amp; ABInBev – green field corn syrup manufacturing plant (2017-2018)</b></p>	<p>Coca Cola and ABInBev are jointly developing a corn processing and syrup manufacturing plant to gain additional supply chain control. SLR supported the client team with up front site selection, analysis of pre investment fatal flaws, environmental &amp; social impact assessment, environmental permitting, preparation for IFC funding review. The project is in Gauteng, RSA. Brandon’s role was a combination of project management and technical review.</p>
<p><b>Siyanda Ferrochrome – green field ferrochrome smelter complex (2015-2017)</b></p>	<p>Siyanda is developing a ferrochrome smelter complex to primarily process chrome resources from neighbouring platinum mine UG2 tailings waste. SLR supported the client team with up front site selection, environmental &amp; social impact assessment, environmental permitting, preparation for IFC funding review. The project is in Limpopo, RSA. Brandon’s role was a combination of project management and technical review.</p>
<p><b>Scaw Metals – brown field co-generation power project at the Germiston metal processing plant (2013)</b></p>	<p>Scaw promoted this project to capture and reuse energy emissions in the interests of energy and resource efficiency. SLR provided services for environmental &amp; social impact assessment and environmental permitting. The project is in Gauteng, RSA. Brandon’s role was technical review.</p>
<p><b>Lafarge – brown field alternative fuels processing project at the Lichtenburg cement manufacturing plant (2011)</b></p>	<p>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 &amp; social impact assessment and environmental permitting. The project is in North West, RSA. Brandon’s role was technical review and public meeting/conflict facilitation.</p>
<p><b>Glencore (Xstrata) – Green fields project Lion Smelter (2005)</b></p>	<p>SLR provided services for the preparation of an integrated waste and water management plan in support of an integrated waste and water licence. The project is in Limpopo, RSA. Brandon’s role was technical review.</p>
<p><b>Glencore (Xstrata) – brown fields pelletizing plant at the Wonderkop smelter complex (2003)</b></p>	<p>Glencore implemented this project to enable the more efficient smelting and processing of chrome fines. SLR provided services for environmental &amp; social impact assessment and environmental permitting. The project is in North West, RSA. Brandon’s role was technical review.</p>
<p><b>Glencore (Xstrata - Merafe) – green fields SA Chrome Boshhoek ferrochrome smelter complex (2001)</b></p>	<p>The project was developed on the western limb of the Bushveld complex to enable increased capacity to process chrome ore and produce ferrochrome. SLR provided services for environmental &amp; social impact assessment and environmental permitting. The project is in North West, RSA. Brandon’s role was project manager and stakeholder manager.</p>
<p><b>Glencore (Xstrata) – brown fields furnace 5 and 6 expansion at the Wonderkop smelter complex (2000)</b></p>	<p>The project was developed on the western limb of the Bushveld complex to enable increased capacity to process chrome ore and produce ferrochrome. SLR provided services for environmental &amp; social impact assessment and environmental permitting. The project is in North West, RSA. Brandon’s role was project manager and stakeholder manager.</p>

	Infrastructure sector
<b>Sedibeng Water Authority &amp; Chamber of Mines – Independent Peer Review of the Vaal Gamagarra Water Supply Scheme (2017-2018)</b>	In the context of potentially excessive future water charges, a consortium of twelve manganese and iron ore mines approached the Chamber of Mines and Sedibeng water to appoint SLR for an independent Peer Review of the 400km scheme design and related cost model. SLR reviewed all aspects of the scheme including demand, supply, pipelines, pump stations and cost model inputs. The project is in the Northern Cape, RSA. Brandon’s role was a combination of project manager and report review.
<b>Sedibeng Water Authority &amp; Chamber of Mines – detailed water demand survey for the Vaal Gamagarra Water Supply Scheme (2017- 2018)</b>	On the back of the aforementioned independent peer review, SLR was commissioned to conduct a detailed water demand survey that could be used as the basis for a redesign of the 400km water supply scheme. The project is in the Northern Cape, RSA. Brandon’s role was a combination of project manager and report review.
<b>EnviroServ – Chloorkop Waste Recovery Site (2014)</b>	The Chloorkop facility is used for storage, beneficiation, recycling and recovery of various materials and waste streams from the smelting and metallurgical industries. SLR was appointed to conduct an environmental and social assessment in support of environmental permits. The project is in Gauteng, RSA. Brandon’s role was technical review.
<b>ENS &amp; Metal Recyclers Association – Development of Industry Standard for Waste Recycling and associated Exemption from Permitting (2013)</b>	SLR was appointed to review the waste management and recycling operations of a sample of members from the RSA Metal Recyclers Association and to develop both a set of industry standards for environmental management and an associated motivation for exemption from environmental permitting. The project is in Gauteng, RSA. Brandon’s role was technical review.
<b>NamWater – Husab water supply pipelines (2011)</b>	Temporary 0.3m and permanent 0.6m diameter water supply pipelines were proposed by NamWater to provide water for the construction and operational phases of the Husab Uranium Mine respectively. SLR was appointed to provide an environmental and social impact assessment in support of environmental permits. The project is in Erongo, Namibia. Brandon’s role was project manager.
<b>Swakop Uranium – Husab access roads (2011)</b>	Temporary and permanent regional access roads were required for the construction and operational phases of the Husab Uranium Mine. SLR was appointed to provide an environmental and social impact assessment in support of environmental permits. The project is in Erongo, Namibia. Brandon’s role was project manager.
<b>Hernic Ferrochrome – railway line (2007)</b>	Hernic Ferrochrome required connection from its smelter site to the regional railway line in Brits. SLR was appointed to provide an environmental and social impact assessment in support of environmental permits. The project is in North West, RSA. Brandon’s role was project manager.

<p><b>Botswana Water Utility Corporation – ISO14001 environmental management system (2002)</b></p>	<p>SLR was appointed to conduct an ISO14001 environmental management system compliance audit for the national utility water supply infrastructure and activities. SLR was also appointed to provide a follow on implementation plan. The project is in Botswana. Brandon’s role was project manager.</p>
<p><b>Power Sector</b></p>	
<p><b>Eskom – Siyanda power transmission line (2017)</b></p>	<p>Siyanda is developing a ferrochrome smelter complex. SLR was appointed to conduct the environmental &amp; social impact assessment, and related environmental permitting for the 275kV Eskom power supply line. The project is in Limpopo, RSA. Brandon’s role was a combination of project management and technical review.</p>
<p><b>Episolar - Siginik solar power project (2015)</b></p>	<p>SLR was appointed to conduct a pre-funding environmental and social due diligence as part of a funding scheme by Standard Bank for the 50 megawatt green fields solar power project. The project is in Bole, Ghana. Brandon’s role was technical review.</p>
<p><b>Solar Reserve – Kalkaar thermal solar power plant (2014)</b></p>	<p>SLR was appointed to conduct the environmental &amp; social impact assessment, and related environmental permitting for the 200 megawatt thermal solar power project. The project is in Northern Cape, RSA. Brandon’s role was technical review.</p>
<p><b>Natura Energy – Arandis combined heavy fuel oil and solar power project (2012)</b></p>	<p>SLR was appointed to conduct the environmental &amp; social impact assessment, and related environmental permitting for the 120 megawatt combined heavy fuel oil and solar power project. The project is in Arandis (Erongo), Namibia. Brandon’s role was technical review.</p>
<p><b>NamPower – Husab power transmission lines (2011)</b></p>	<p>Temporary 66kV and permanent 220kV power supply lines were proposed by NamPower to provide power for the construction and operational phases of the Husab Uranium Mine respectively. SLR was appointed to provide an environmental and social impact assessment in support of environmental permits. The project is in Erongo, Namibia. Brandon’s role was project manager.</p>
<p><b>Eskom – UMK power transmission line (2008)</b></p>	<p>SLR was appointed to conduct the environmental &amp; social impact assessment, and related environmental permitting for the 132kV Eskom power supply line that is the primary power source for the UMK manganese mine. The project is in Northern Cape, RSA. Brandon’s role was a combination of project management and technical review.</p>
<p><b>Eskom – Hendrina Power Station ISO14001 compliance audit (2003)</b></p>	<p>SLR was appointed to conduct an ISO14001 environmental system compliance audit. The project is in Mpumalanga, RSA. Brandon’s role was project manager.</p>
<p><b>Oil and Gas Sector</b></p>	
<p><b>Shell – offshore deep water exploration (2017)</b></p>	<p>SLR was appointed to conduct the environmental &amp; social impact assessment, and related environmental permitting, for the deep water offshore exploration project. The project is in Namibia. Brandon’s role was proposal and project director.</p>

<p><b>Tosaco Energy – onshore exploration right screening (2017)</b></p>	<p>SLR was appointed to conduct the environmental &amp; social screening to assist with environmental and social optimisation for onshore oil and gas exploration right applications. The project is in RSA. Brandon’s role was proposal and project director.</p>
<p><b>Afro Energy &amp; Kinetic - onshore oil and gas exploration rights (2017)</b></p>	<p>SLR was appointed to conduct the environmental &amp; social impact assessment, and related environmental permitting for multiple onshore oil and gas exploration right applications. The project is in RSA. Brandon’s role was stakeholder management advisor.</p>
<p><b>Rhino Oil &amp; Gas – onshore oil and gas exploration rights (2016)</b></p>	<p>SLR was appointed to conduct the environmental &amp; social impact assessment, and related environmental permitting for multiple onshore oil and gas exploration right applications. The project is in RSA. Brandon’s role was project director and stakeholder management advisor.</p>
<p><b>Mining Sector - Chrome</b></p>	
<p><b>Imalivest – transactional due diligence for chrome mine assets (2017)</b></p>	<p>SLR was appointed to undertake an environmental, social, waste, water and closure transactional due diligence of Herculite’s chrome mine and ferrochrome smelter assets on behalf of Imalivest. The project is in RSA. Brandon’s role was project manager.</p>
<p><b>Herculite Ferrochrome – Bokfontein chrome mine and smelter complex development (2013-2015)</b></p>	<p>This is a green field open pit, underground mine, ore processing and smelter project. SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. As a follow on service SLR provided an amendment assessment and plan to remove the smelter aspect. The project is in North West, RSA. Brandon’s role was technical review.</p>
<p><b>Tharisa Minerals – Chrome and Platinum Group Metals Mine development (2008)</b></p>	<p>This is a green field open pit and underground mine project. SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. The project is in North West, RSA. Brandon’s role was project manager.</p>
<p><b>International Finance Corporation (IFC) &amp; Mitsubishi – annual review of Herculite Ferrochrome mine and smelter operations (2005, 2006, 2007)</b></p>	<p>As part of IFC funding conditions, SLR was appointed to undertake an Equator Principles/ IFC performance Standards environmental, social, waste, water and closure compliance review of all Herculite chrome mine and ferrochrome smelter assets. The project is in RSA. Brandon’s role was project manager.</p>
<p><b>BHP Billiton - sale of all RSA based Samancor Chrome Mine assets (2004)</b></p>	<p>SLR was appointed to undertake an environmental, social, waste, water and closure transactional due diligence of Eastern and Western limb chrome mine and ferrochrome smelter assets on behalf of one of the bidders. The project is in RSA. Brandon’s role was project manager.</p>

<p><b>International Ferro Metals (previously Transvaal Ferrochrome) – mine and smelter development (2003)</b></p>	<p>This is a green field underground mine and smelter project. SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. The project is in North West, RSA. Brandon’s role was project manager.</p>
<p><b>Mining Sector - Coal</b></p>	
<p><b>Anglo American Coal – Alexander Coal Mine development (2017-2018)</b></p>	<p>This is a green field underground mine project. SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. The project is in Mpumalanga, RSA. Brandon’s role was technical review.</p>
<p><b>Thollie Logistics – Commissiekraal Coal Mine (2015-2018)</b></p>	<p>This is a green field underground mine project. SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. The project is in Mpumalanga, RSA. Brandon’s role was technical review.</p>
<p><b>HGP Consulting – transactional due diligence for New Clydesdale Coal Mine (2013)</b></p>	<p>SLR was appointed to undertake an environmental, social, waste, water and closure transactional due diligence of two coal mining assets on behalf of HGP. The project is in Mpumalanga, RSA. Brandon’s role was project manager.</p>
<p><b>Leeuw Mining and Exploration – underground mine near Utrecht (2011)</b></p>	<p>This is a combined green and brown field underground mine project. SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. The project is in Mpumalanga, RSA. Brandon’s role was technical review.</p>
<p><b>Keaton Energy – Vangatfontein Coal Mine (2008-2011)</b></p>	<p>This is a green field open pit mine and coal beneficiation project. SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. As a follow on to this pre permitting phase, SLR also provided two years of management and compliance support during mine development and operation. The project is in Mpumalanga, RSA. Brandon’s role was project manager.</p>
<p><b>Snowden Mining Industry Consultants – transactional due diligence work for Zululand Anthrocite Colliery and Brockwell Coal Colliery (2004)</b></p>	<p>SLR was appointed to undertake an environmental, social, waste, water and closure transactional due diligence of two coal mining assets on behalf of Snowden. The project is in KZN, RSA. Brandon’s role was project manager.</p>

	<b>Mining Sector – Copper &amp; Cobalt</b>
<b>Consolidated Mining Investments - Kitwe tailings retreatment project (2016 to 2018)</b>	This is a brown field tailings reprocessing project that will enable recovery of copper and cobalt from existing tailings dams and the rehabilitation of multiple sites within the urban Kitwe area. SLR provided services for the feasibility study, site selection, environmental & social (E&S) impact assessment, E&S management plan, and environmental permitting. The project is in Kitwe, northern Zambia. Brandon’s role was technical review and project director.
<b>Metorex &amp; Standard Bank– Ruashi Mine compliance audits (annually from 2010 – 2017)</b>	As part of bank funding conditions, SLR was appointed to undertake annual Equator Principles/ IFC performance Standards environmental, social, waste, water and closure compliance reviews of Ruashi Mine. The project is in southern DRC. Brandon’s role was project manager.
<b>First Quantum &amp; Standard Bank – Kansanshi Mine compliance audit (2014)</b>	As part of bank funding conditions, SLR was appointed to undertake an Equator Principles/ IFC performance Standards environmental, social, waste, water and closure compliance review of Kansanshi Mine. The project is in northern Zambia. Brandon’s role was project manager.
	<b>Mining Sector - Diamonds</b>
<b>BHP Billiton &amp; Petra Diamonds – Alto Cuilo Diamond exploration project (2007)</b>	SLR provided services for the environmental & social (E&S) impact assessment, E&S management plan, and environmental permitting. The project is in Angola. Brandon’s role was technical review.
<b>De Beers – Oaks Diamond Mine ISO14001 compliance and risk review (2004)</b>	SLR was appointed to conduct an ISO14001 environmental and legal compliance and risk review. The project is in RSA. Brandon’s role was project manager.
<b>Debswana – ISO14001 compliance audits for Orapa Mine (2002)</b>	SLR was appointed to conduct an ISO14001 environmental system compliance audit. The project is in Botswana. Brandon’s role was project manager.
	<b>Mining Sector - Gold</b>
<b>Taung Gold – Evander 6 Shaft development (2015 - 2018)</b>	This is a green and brown field underground mine and beneficiation project. SLR provided services for the feasibility study, site selection, environmental & social (E&S) impact assessment, E&S management plan, and environmental permitting. The project is in Mpumalanga, RSA. Brandon’s role was technical review.
<b>Xstract Resources / Auroch – Manica Gold Mine development (2015 -2018)</b>	This is a green and brown field mine and beneficiation project. SLR provided services for the feasibility study, site selection, environmental & social (E&S) impact assessment, E&S management plan, and environmental permitting. The project is in Manica, Mocambique. Brandon’s role was technical review.

<p><b>Taung Gold – Jeanette Gold Mine development (2016)</b></p>	<p>This is a green and brown field underground mine and beneficiation project. SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. The project is in Mpumalanga, RSA. Brandon’s role was technical review.</p>
<p><b>LGL Equigold – Hire mine development (2010)</b></p>	<p>This is a green field open pit mine and beneficiation project. SLR provided services for the environmental impact assessment, management plan, and environmental permitting. The project is in Hire, Ivory Coast. Brandon’s role was a combination of project management and technical review.</p>
<p><b>Barrick Gold – South Deep Gold Mine tailings expansion (2007)</b></p>	<p>This is a brown field tailings expansion project. SLR provided services for the site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. The project is in Gauteng, RSA. Brandon’s role was technical review.</p>
<p><b>Anglo Gold Ashanti – ERGO rubber waste management project (2002)</b></p>	<p>This is a brown field waste (rubber linings of tailings delivery pipelines) management and incineration project. SLR provided services for environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. The project is in Gauteng, RSA. Brandon’s role was project manager.</p>
<p><b>Mining Sector - Manganese</b></p>	
<p><b>Tshipi e Ntle / Ntsimbintle - Tshipi Borwa mine development, expansion and closure planning (2009 – 2018)</b></p>	<p>SLR has worked on the initial green fields mine development project and multiple subsequent expansion projects including a strategic project to redefine the long term closure plan. In all of these projects SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. The mine is in Northern Cape, RSA. Brandon’s role was a combination of project manager and technical review.</p>
<p><b>Imalivest – Mokala Mine development (2016 -2018)</b></p>	<p>This is a green field open pit project. SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. The project is in Northern Cape, RSA. Brandon’s role was technical review.</p>
<p><b>Asia Minerals / Kudumane Manganese – Kudumane mine development (2014)</b></p>	<p>This is a green field open pit project. SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. The project is in Northern Cape, RSA. Brandon’s role was technical review.</p>
<p><b>BHP Billiton, Samancor Manganese – environmental and social strategy development for Hotazel area (2008)</b></p>	<p>SLR was appointed to assist BHP Billiton with an environmental and social strategy for its future expansion plans in the greater Hotazel area. The project is in Northern Cape, RSA. Brandon’s role was project manager.</p>

<p><b>United Manganese of the Kalahari – UMK mine development (2007)</b></p>	<p>This is a green field open pit project. SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. The project is in Northern Cape, RSA. Brandon’s role was project manager.</p>
<p><b>Mining Sector - Platinum</b></p>	
<p><b>Impala Platinum - Rustenburg Platinum mine and Marula Platinum multiple expansion projects (2003 to 2018)</b></p>	<p>SLR has worked on multiple expansion projects for Impala including: three open pit mine expansion projects, development of four new vertical shafts, expansion of the smelter complex, development of a new tailings dam, and development of new waste rock dump capacity. In all of these expansion projects SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. The mines are in North West and Limpopo, RSA. Brandon’s role was project manager for most projects until 2011 and thereafter he has been in a technical review role.</p>
<p><b>Sedibelo / Platmin / PPM / Boynton -development of four adjacent mines (2007 – 2018)</b></p>	<p>The four (PPM, Sedibelo, Magazynskraal, and Kruidfontein) adjacent green field mines comprise a combination of open pit and underground mining with processing plants and associated facilities. SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. The mines are in North West, RSA. Brandon’s role was project manager for the 2007 mine development and technical review for the subsequent mine developments.</p>
<p><b>Glencore / Eland Platinum – development of Eland Platinum Mine (2006)</b></p>	<p>This is a green field open pit and underground mine project. SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. The project is in North West, RSA. Brandon’s role was technical review.</p>
<p><b>Anglo Platinum /RSG Global – transactional due diligence for Lebowa Platinum Mine (2006)</b></p>	<p>SLR was appointed to undertake an environmental, social, waste, water and closure transactional due diligence of the platinum mine. The project is in Limpopo, RSA. Brandon’s role was project manager.</p>
<p><b>Barplats Mines Limited – Crocodile River mine multiple expansion projects (2003 -2005)</b></p>	<p>SLR has worked on multiple expansion and exploration right projects for Barplats covering the following sections: Krokodildrift, Zandfontein and Maroelabult. In all of these projects SLR provided services for the environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. The mine is in North West, RSA. Brandon’s role was a combination of project manager and technical review.</p>
<p><b>Lonmin Platinum – Eastern Platinum Mine ISO14001 system implementation (2003)</b></p>	<p>SLR was appointed to implement an ISO14001 environmental system for the underground, opencast, mineral processing and associated activities. The project is in North West, RSA. Brandon’s role was project manager.</p>



	<p><b>Mining Sector – Soda Ash</b></p>
<p><b>Anglo American Botswana Ash – ISO14001 system implementation (2002)</b></p>	<p>SLR was appointed to implement an ISO14001 environmental system for its brine extraction and soda ash production operations in Sua Pan. The project is in Botswana. Brandon’s role was project manager.</p>
	<p><b>Mining Sector - Uranium</b></p>
<p><b>A Cap Resources – Letlhakane Uranium Mine development(2014)</b></p>	<p>This is a green field open pit uranium mining project. SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, and environmental permitting. The project is in Botswana. Brandon’s role was technical review.</p>
<p><b>Swakop Uranium – Husab Uranium Mine bank funding (2014)</b></p>	<p>As a follow on services to the environmental and social assessment and permitting (see below), SLR was appointed to manage the Equator Principles / IFC Performance Standards preparation for pre financing bank due diligence. The project is in Namibia. Brandon’s role was project manager.</p>
<p><b>Extract Resources/Swakop Uranium - Husab Uranium Mine development (2010 – 2013)</b></p>	<p>This is a green field open pit uranium mining project located within the Namib Naukluft National Park. SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, environmental permitting. The project is in Namibia. Brandon’s role was project manager and public participation facilitator.</p>
<p><b>Paladin Energy – Langer Heinrich Uranium Mine stage three expansion (2009)</b></p>	<p>This project involved open pit mining, heap leach pad, processing plant, tailings and support infrastructure expansion. SLR provided services for the feasibility study, site selection, environmental &amp; social (E&amp;S) impact assessment, E&amp;S management plan, environmental permitting. The project is in Namibia. Brandon’s role was project manager and public participation facilitator.</p>
<p><b>Mantra Resources – Prefeasibility study for Mkuju River Mine (2008)</b></p>	<p>As part of a pre-feasibility technical study SLR was appointed to provide input into site selection and assess the environmental and social risk associated with developing this green fields open pit mine on the perimeter of the Selous Game Reserve. The project is in Tanzania. Brandon’s role was project manager</p>
<p><b>MEMBERSHIPS</b></p>	
<p><b>EAPAN</b></p>	<p>Environmental Assessment Professionals of Namibia (2012 to present)</p>
<p><b>EAPSA</b></p>	<p>Environmental Assessment Practitioners of South Africa (2005 to present)</p>
<p><b>Attorney</b></p>	<p>Admitted as an attorney of the High Court of South Africa (2000 to present)</p>
<p><b>PUBLICATIONS</b></p>	
	<p>Evaluation of sustainable development strategies in the mining sector. A research report submitted to the faculty of Commerce, Law and Management, University of the Witwatersrand, in partial fulfilment of the requirements for the degree of Master of Business Administration. 2006</p>



The Interim Certification Board  
For  
Environmental Assessment Practitioners  
of  
South Africa

Brandon Stobart

was certified as an

**ENVIRONMENTAL ASSESSMENT  
PRACTITIONER**

on this 22nd day of August 2005

Chairperson

Secretary

Registration No: 0071/05