

Brandon Stobart
Director



Curriculum Vitae

Qualifications

MBA	2006	Business Masters including a research report on evaluating sustainable development strategies in mining (WITS Business School)
EAP	2005	Certified as an environmental assessment practitioner in South Africa and Namibia.
EARA	2001	Environmental Auditors Registration Organisation ("EARA") accredited environmental audit qualification (Institute of Environmental Management Assessment "IEMA")
LLB	1997	Bachelor of law (University of Cape Town). Admitted as an attorney of the High Court of South Africa in 2000. Specialisation in mining and environmental law.
BA	1994	Majors in environmental science and economics (University of Cape Town).

Key Areas of Expertise

Key areas of Brandon's expertise are summarised below.

Environmental and social assessment	Environmental and social due diligence and auditing. Environmental authorisations, permits, certificates, licenses. Environmental and social impact assessment (EIA) ISO 14001 environmental management systems (EMS). Environmental and social management programs and plans (EMPs).
Stakeholder Management	Stakeholder engagement strategies, facilitation of public participation processes, liaison with government and non-government organisations.
Sustainable development strategies	Planning and implementation of on sustainable development strategies.
Reviews	Peer review of environmental and social assessments.

Summary of Capability

Brandon is the Managing Director of the following SLR group companies: SLR Consulting (Africa) Pty Ltd, SLR Consulting (South Africa) Pty Ltd and Synergistics Environmental Services (Pty) Ltd. He has been with SLR (previously called Metago Environmental Engineers) since 2000. During this time he has consulted to the mining industry as an environmental and social assessment practitioner. Prior to 2000 he worked as an attorney for Bowman Gilfillan Attorneys specialising in environmental and mining law.

Recent Project Experience

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

Project	Brandon's Role
Chrome	
Xstrata Chrome EIA and EMP amendment for furnaces 5 and 6, and large scale palletising plant at Wonderkop (South Africa)	Project manager
SA Chrome and Alloys (now called Xstrata-Merafe Ferrochrome), EIA for the development of a green fields ferrochrome smelter complex (South Africa).	Project manager
Transvaal Ferro-Chrome SA Limited (now called IFM), EIA and EMP for the development of a green fields ferrochrome smelter complex and chrome mine (South Africa).	Project manager
Tharisa Minerals, EIA and EMP for a green fields chrome mine (South Africa)	Project manager
Gold	
AngloGold Ashanti, ERGO and Vaal River rubber waste fields chrome mine (South Africa)	Project manager
Eastern Transvaal Consolidated, EIA/EMP amendment for contamination remediation and re-mining of old tailings dam at Sheba, Fairview and New Consort Mines (South Africa)	Project manager
LGL Equigold, ESIA and ESMP for the development of a green fields open pit operation in Hire (Ivory Coast)	Project reviewer
Barrick Gold South Deep Mine, EMP consolidation and tailings dam expansion (South Africa)	Project reviewer
Goldfields Ghana, Tarkwa EIA consolidation (Ghana)	Project reviewer
Manganese	
United Manganese of Kalahari, green fields EIA and EMP for a manganese mine and sinter plant (South Africa)	Project management and review
Ntsimbintle Mining, green fields EIA/EMP for a manganese mine and sinter plant (South Africa)	Project management and review
BHP Billiton Samancor Manganese, strategic environmental advice for expansion in the Hotazel mining area (South Africa)	Project manager
Northern Cape Manganese Mining Company, green fields EIA/EMP for a manganese mine and sinter plant (South Africa)	Project reviewer

Platinum	
Barplats Mines Limited, EIA and EMP amendments for the following Crocodile River Mine expansions: Krokodil drift expansion, Zandfontein expansion, Maroelabult expansion (South Africa)	Project reviewer
Impala Platinum Limited EIA and EMP amendment for the UG2 and Merensky opencast project (South Africa)	Project manager
Impala platinum limited, EIA, and EMP amendment for smelter complex expansion (South Africa)	Project manager
Marula Platinum Mine, EIA and EMP amendment for the new shaft complex and tailings dam expansion (South Africa)	Project reviewer
Platinum Limited (Boyton), green fields EIA and EMP for Pilanesburg Platinum Mine (South Africa)	Project manager
Eastern Platinum, green fields EIA/EMP for the Spitzkop Platinum Mine (South Africa)	Project reviewer
Eland Platinum, green fields EIA/EMP for the Eland Platinum Mine (South Africa)	Project reviewer
Diamonds	
De Beers, EIA/EMP performance assessment and review work for the Oaks diamond mine (South Africa)	Project manager
BHP Billiton and Petra Diamonds, EIA for the Alto Cuilo Diamond Project (Angola)	Project reviewer
Coal	
Keaton Mining, green fields EIA and EMP for the Klipfontein Coal Mine (South Africa)	Project reviewer
Keaton Mining, green fields EIA and EMP for the Vanggatfontein Coal Mine (South Africa)	Project management and review
Leeuw Mining, EIA and EMP for a colliery new Utrecht (South Africa)	Project reviewer
Uranium	
Mantra Resources, pre-feasibility EIA study for the green fields Mkuju River Uranium Mine (Tanzania)	Project manager
A-Cap Resources, ESIA and ESMP scoping for the green fields Letlhakane uranium mine (Botswana)	Project reviewer
Palladin Energy, ESIA and ESMP amendment for the Langer Heinrich Uranium Mine stage three expansion (Namibia)	Project manager
Swakop Uranium, EIA for the green fields Husab Uranium Mine (Namibia)	Project manager
Utilities	
Hernic Ferrochrome, IEA for a railway siding between Brits and Hernic Ferrochrome (South Africa)	Project reviewer
Eskom, EIA for a regional power line between the Hotazel line and United Manganese of the Kalahari Mine (South Africa)	Project reviewer
Swakop Uranium, IEA for multiple power lines, pipelines and access road (Namibia)	Project manager

Planning, implementation and/or review of the stakeholder management and public participation processes for:

Maandagshoek Platinum Mine (now Madikwa) green fields EIA and EMP

Xstrata, Wonderkop EIA and EMP amendment for furnaces 5 and 6

SA Chrome (now Merafe) green fields EIA for smelter complex

Aquarius, Marikana Platinum Mine EIA and EMP amendments

Transvaal Ferrochrome (now IFM) green fields EIA/EMP for mine and smelter complex

AngloGold Ashanti, ERGO rubber treatment solution EIA

Impala Platinum EIA and EMP amendments for the UG2/Merensky opencast project, Shaft 20 Project and Smelter complex expansion

Stakeholder management strategy and procedure for Impala Platinum Limited

Platmin (Boynton), Pilanesburg Platinum Mine green fields EIA/EMP

Barplats Mines Limited, various Crocodile River Mine expansion EIA and EMP amendments

Tharisa Minerals, EIA and EMP for green fields chrome mine

Keaton Mining, EIA and EMP for green fields coal mine

Eastern Platinum Limited, EIA and EMP for green fields Spitzkop Platinum Mine

Eland Platinum mine green fields EIA and EMP

Tameng Mining, Mphathlele green fields Platinum Mine EIA and EMP

LaFarge EIA and EMP amendment for an alternative fuel process at its Lichtenburg cement plant

Biz Africa prospecting EMP

Marula Platinum Mine EIA and EMP for mine expansion

United Manganese of Kalahari, EIA and EMP for a green fields manganese mine

Ntsimbintle Mining, EIA and EMP for a green fields manganese mine

Palladin Energy, EIA and EMP amendment for the Langer Heinrich uranium Mine expansion

Eskom regional power line EIA

Due diligence and audits

A range of due diligence investigations (throughout Africa) conducted on behalf of RSG Global, Snowden Industry Mining Consultants, Venmyn Rand, BSG Resources, Standard Bank, Jowell Glyn and Marais Attorneys, Bowman Gilfillan Attorneys

World Bank, ISO14001, EMP performance and / or legal compliance audits of Ruashi Copper Mine, Kansanshi Copper Mine, Samancor Chrome mine and smelter operations, Impala Platinum, Lonmin Platinum, Botswana Ash, Anglo Platinum Lebowa Platinum Mine, Marula Platinum Mine, Herculite Ferrochrome, Aquarius Marikana Mine, Xstrata Wonderkop, Salene Mining, De Beers the Oaks Mine and Modikwa Platinum Mine

Integrated Water and Waste Licenses

Management of water license application processes and / or compilation of technical reports for:

Xstrata Alloys Project Lion

Avgold Ltd's Eastern Transvaal Consolidated division

Xstrata – Merafe Venture, Boshhoek smelter

Sublime Technologies

Barplats, Crocodile River Mine

Platmin (Boynton), Pilanesburg Platinum Mine

Environmental Management System

ISO14001 system implementation, training, review and / or audits at Debswana Orapa (Botswana), Lonmin Platinum, Botswana Ash, The Botswana Water Utility Corporation, Marula Platinum Mine, Tati Nickel, Uranium One and Avgold Ltd's Fairview, Sheba and New Consort Mines

Environmental Law

Development of the ISO14001 EMS legal registers for Rossing Uranium (Namibia), PPC South Africa, Impala Platinum Ltd Mine and Refinery, Anglo Platinum BRPM Mine, Maandagshoek Platinum, Lebowa Platinum Mine, De Beers Namaqua Mine, Botswana Ash (Botswana) and Eskom Hendrina Power Station

Opinion work, audits / risks assessments and training for multiple clients in Africa.

Caitlin Hird
Environmental Practitioner



Curriculum Vitae

Qualifications

Honours in Environmental Economics (BA)	2010
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Environmental and Geographical Science (BA)	2008
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Key Areas of Expertise

Key areas of Caitlin's expertise are summarised below.

Management of major environmental impact assessments	Southern African operations for wide variety of minerals developments
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Summary of Experience and Capability

Caitlin is a Project Manager with SLR and is responsible for SLR's EIA Projects throughout Southern Africa. Caitlin has 6 years experience within the Minerals sector, in a management position within the minerals industry and with SLR.

Caitlin has managed and assisted in the management of a range of major Environmental Impact Assessment projects for major minerals developments throughout Southern Africa for many of the major operators within the minerals industry. Since 2011 Caitlin has managed 6 full scope Environmental Impact Assessments processes and has assisted in the management of 14 major Environmental Impact Assessments for minerals extraction operations.

Prior to joining SLR in 2011, Caitlin studied at the University of Stellenbosch after which she completed her Honours in Environmental Management and Economics at the University of Cape Town.

Recent Project Experience

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

Project	Date	Caitlin's Role
Chrome		
Hernic Ferrochrome, Smelter Complex at Bokfontein, North West	2011	Assistant Project Manager
Iron Ore		
Leeuw Mining and Exploration, Proposed New Coal Mine, Kwazulu-Natal	2011	Assistant Project Manager
Turquoise Moon, Moonlight Iron Ore Project, Limpopo	2011	Assistant Project Manager
Keaton Energy, Vangattfoitein Mining Right Amendment, Mpumalanga	2011	Assistant Project Manager
Coza Mining (Pty) Ltd Jenkins Iron Ore Project	2015	Project Manager
Platinum		
Impala Shaft 16 WRD Expansion & Pit8C Project, North West	2012	Project Manager
Inkosi Platinum Prospecting EMP Amendment for the Greater Inkosi Area, North West	2012	Project Manager
Pilanesberg Platinum Mine, Tuschenkomst Pit Extention, North West	2011	Assistant Project Manager
Everest Hoogland Platinum Mine	2011	Assistant Project Manager
Impala Central Salvage Yard	2011	Assistant Project Manager
Uranium		
Swakop Uranium, Husab Mine	2011	Assistant Project Manager
Coal		
Keaton Mining (Pty) Ltd, Vangattfontein WULA	2014	Assistant Project Manager
Fluorspar		
SA Fluorite Fluorspar Bulk Sampling EMP Amendment, North West	2012	Assistant Project Manager

Project	Date	Caitlin's Role
<hr/> Chrome		
Hernic Ferrochrome, EIA/EMP Amendment, North West	2012/13	Project Manager
Siyanda Chrome Smelting Company, Greenfields project, Limpopo	2014/15	Project Manager
<hr/> Manganese		
Kudumane Manganese Resources EIA/EMP Amendment, WML & WULA, Northern Cape	2013/4	Project Manager
