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CURRICULUM VITAE OF JO-ANNE THOMAS

Profession: Environmental Management and Compliance Consultant; Environmental Assessment

Practitioner

Specialisation: Environmental Management; Strategic environmental advice; Environmental compliance

advice & monitoring; Environmental Impact Assessments; Policy, strategy & guideline

formulation; Project Management; General Ecology

Work experience: Twenty one (21) years in the environmental field

VOCATIONAL EXPERIENCE

Provide technical input for projects in the environmental management field, specialising in Strategic Environmental Advice, Environmental Impact Assessment studies, environmental auditing and monitoring, environmental permitting, public participation, Environmental Management Plans and Programmes, environmental policy, strategy and guideline formulation, and integrated environmental management. Key focus on integration of the specialist environmental studies and findings into larger engineering-based projects, strategic assessment, and providing practical and achievable environmental management solutions and mitigation measures. Responsibilities for environmental studies include project management (including client and authority liaison and management of specialist teams); review and manipulation of data; identification and assessment of potential negative environmental impacts and benefits; review of specialist studies; and the identification of mitigation measures. Compilation of the reports for environmental studies is in accordance with all relevant environmental legislation.

Undertaking of numerous environmental management studies has resulted in a good working knowledge of environmental legislation and policy requirements. Recent projects have been undertaken for both the public- and private-sector, including compliance advice and monitoring, electricity generation and transmission projects, various types of linear developments (such as National Road, local roads and power lines), waste management projects (landfills), mining rights and permits, policy, strategy and guideline development, as well as general environmental planning, development and management.

SKILLS BASE AND CORE COMPETENCIES

- Project management for a range of projects
- Identification and assessment of potential negative environmental impacts and benefits through the review and manipulation of data and specialist studies
- Identification of practical and achievable mitigation and management measures and the development of appropriate management plans
- Compilation of environmental reports in accordance with relevant environmental legislative requirements
- External and peer review of environmental reports & compliance advice and monitoring
- Formulation of environmental policies, strategies and guidelines
- Strategic and regional assessments; pre-feasibility & site selection
- Public participation processes for a variety of projects
- Strategic environmental advice to a wide variety of clients both in the public and private sectors
- Working knowledge of environmental planning processes, policies, regulatory frameworks and legislation

EDUCATION AND PROFESSIONAL STATUS

Degrees:

- B.Sc Earth Sciences, University of the Witwatersrand, Johannesburg (1993)
- B.Sc Honours in Botany, University of the Witwatersrand, Johannesburg (1994)
- M.Sc in Botany, University of the Witwatersrand, Johannesburg (1996)

Short Courses:

- Environmental Impact Assessment, Potchefstroom University (1998)
- Environmental Law, Morgan University (2001)
- Environmental Legislation, IMBEWU (2017)
- Mining Legislation, Cameron Cross & Associates (2013)
- Environmental and Social Risk Management (ESRM), International Finance Corporation (2018)

Professional Society Affiliations:

- Registered with the South African Council for Natural Scientific Professions as a Professional Natural Scientist:
 Environmental Scientist (400024/00)
- Registered with the International Associated for Impact Assessment South Africa (IAIAsa): 5601
- Member of the South African Wind Energy Association (SAWEA)

EMPLOYMENT

Date	Company	Roles and Responsibilities
January 2006 - Current:	Savannah Environmental (Pty) Ltd	Director
		Project manager
		Independent specialist environmental consultant,
		Environmental Assessment Practitioner (EAP) and
		advisor.
1997 – 2005:	Bohlweki Environmental (Pty) Ltd	Senior Environmental Scientist at. Environmental
		Management and Project Management
January – July 1997:	Sutherland High School, Pretoria	Junior Science Teacher

PROJECT EXPERIENCE

Project experience includes large infrastructure projects, including electricity generation and transmission, wastewater treatment facilities, mining and prospecting activities, property development, and national roads, as well as strategy and guidelines development.

RENEWABLE POWER GENERATION PROJECTS: PHOTOVOLTAIC SOLAR ENERGY FACILITIES

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
Christiana PV 2 SEF, North West	Solar Reserve South Africa	Project Manager & EAP
De Aar PV facility, Northern Cape	iNca Energy	Project Manager & EAP
Everest SEF near Hennenman, Free State	FRV Energy South Africa	Project Manager & EAP
Graafwater PV SEF, Western Cape	iNca Energy	Project Manager & EAP
Grootkop SEF near Allanridge, Free State	FRV Energy South Africa	Project Manager & EAP
Hertzogville PV 2 SEF with 2 phases, Free State	SunCorp / Solar Reserve	Project Manager & EAP
Karoshoek CPV facility on site 2 as part of the larger	FG Emvelo	Project Manager & EAP
Karoshoek Solar Valley Development East of		
Upington, Northern Cape		

Project Name & Location	Client Name	Role
Kgabalatsane SEF North-East for Brits, North West	Built Environment African	Project Manager & EAP
	Energy Services	
Kleinbegin PV SEF West of Groblershoop, Northern	MedEnergy Global	Project Manager & EAP
Cape		
Lethabo Power Station PV Installation, Free State	Eskom Holdings SoC Limited	Project Manager & EAP
Majuba Power Station PV Installation, Mpumalanga	Eskom Holdings SoC Limited	Project Manager & EAP
Merapi PV SEF Phase 1 – 4 South-East of Excelsior,	SolaireDirect Southern Africa	Project Manager & EAP
Free State		
Sannaspos Solar Park, Free State	SolaireDirect Southern Africa	Project Manager & EAP
Ofir-Zx PV Plant near Keimoes, Northern Cape	S28 Degrees Energy	Project Manager & EAP
Oryx SEF near Virginia, Free State	FRV Energy South Africa	Project Manager & EAP
Project Blue SEF North of Kleinsee, Northern Cape	WWK Development	Project Manager & EAP
S-Kol PV Plant near Keimoes, Northern Cape	S28 Degrees Energy	Project Manager & EAP
Sonnenberg PV Plant near Keimoes, Northern Cape	S28 Degrees Energy	Project Manager & EAP
Tutuka Power Station PV Installation, Mpumalanga	Eskom Transmission	Project Manager & EAP
Two PV sites within the Northern Cape	MedEnergy Global	Project Manager & EAP
Two PV sites within the Western & Northern Cape	iNca Energy	Project Manager & EAP
Upington PV SEF, Northern Cape	MedEnergy Global	Project Manager & EAP
Vredendal PV facility, Western Cape	iNca Energy	Project Manager & EAP
Waterberg PV plant, Limpopo	Thupela Energy	Project Manager & EAP
Watershed Phase I & II SEF near Litchtenburg, North	FRV Energy South Africa	Project Manager & EAP
West		
Alldays PV & CPV SEF Phase 1, Limpopo	BioTherm Energy	Project Manager & EAP
Hyperion PV Solar Development 1, 2, 3, 4, 5 & 6	Building Energy	Project Manager & EAP

Basic Assessments

Project Name & Location	Client Name	Role
Aberdeen PV SEF, Eastern Cape	BioTherm Energy	Project Manager & EAP
Christiana PV 1 SEF on Hartebeestpan Farm, North-	Solar Reserve South Africa	Project Manager & EAP
West		
Heuningspruit PV1 & PV 2 facilities near Koppies,	Sun Mechanics	Project Manager & EAP
Free State		
Kakamas PV Facility, Northern Cape	iNca Energy	Project Manager & EAP
Kakamas II PV Facility, Northern Cape	iNca Energy	Project Manager & EAP
Machadodorp 1 PV SEF, Mpumalanga	Solar To Benefit Africa	Project Manager & EAP
PV site within the Northern Cape	iNca Energy	Project Manager & EAP
PV sites within 4 ACSA airports within South Africa,	Airports Company South Africa	Project Manager & EAP
National	(ACSA)	
RustMo1 PV Plant near Buffelspoort, North West	Momentous Energy	Project Manager & EAP
RustMo2 PV Plant near Buffelspoort, North West	Momentous Energy	Project Manager & EAP
RustMo3 PV Plant near Buffelspoort, North West	Momentous Energy	Project Manager & EAP
RustMo4 PV Plant near Buffelspoort, North West	Momentous Energy	Project Manager & EAP
Sannaspos PV SEF Phase 2 near Bloemfontein, Free	SolaireDirect Southern Africa	Project Manager & EAP
State		
Solar Park Expansion within the Rooiwal Power	AFRKO Energy	Project Manager & EAP
Station, Gauteng		
Steynsrus SEF, Free State	SunCorp	Project Manager & EAP

Project Name & Location	Client Name	Role
Sirius Solar PV Project Three and Sirius Solar PV	SOLA Future Energy	Project Manager & EAP
Project Four (BA in terms of REDZ regulations),		
Northern Cape		

Screening Studies

Project Name & Location	Client Name	Role
Allemans Fontein SEF near Noupoort, Northern Cape	Fusion Energy	Project Manager & EAP
Amandel SEF near Thabazimbi, Limpopo	iNca Energy	Project Manager & EAP
Arola/Doornplaat SEF near Ventersdorp, North West	FRV & iNca Energy	Project Manager & EAP
Bloemfontein Airport PV Installation, Free State	The Power Company	Project Manager & EAP
Brakspruit SEF near Klerksorp, North West	FRV & iNca Energy	Project Manager & EAP
Carolus Poort SEF near Noupoort, Northern Cape	Fusion Energy	Project Manager & EAP
Damfontein SEF near Noupoort, Northern Cape	Fusion Energy	Project Manager & EAP
Everest SEF near Welkom, Free State	FRV & iNca Energy	Project Manager & EAP
Gillmer SEF near Noupoort, Northern Cape	Fusion Energy	Project Manager & EAP
Grootkop SEF near Allansridge, Free State	FRV & iNca Energy	Project Manager & EAP
Heuningspruit PV1 & PV 2 near Koppies, Free State	Cronimat	Project Manager & EAP
Kimberley Airport PV Installation, Northern Cape	The Power Company	Project Manager & EAP
Kolonnade Mall Rooftop PV Installation in Tshwane,	Momentous Energy	Project Manager & EAP
Gauteng		
Loskop SEF near Groblersdal, Limpopo	S&P Power Unit	Project Manager & EAP
Marble SEF near Marble Hall, Limpopo	S&P Power Unit	Project Manager & EAP
Morgenson PV1 SEF South-West of Windsorton,	Solar Reserve South Africa	Project Manager & EAP
Northern Cape		
OR Tambo Airport PV Installation, Gauteng	The Power Company	Project Manager & EAP
Oryx SEF near Virginia, Free State	FRV & iNca Energy	Project Manager & EAP
Rhino SEF near Vaalwater, Limpopo	S&P Power Unit	Project Manager & EAP
Rustmo2 PV Plant near Buffelspoort, North West	Momentous Energy	Project Manager & EAP
Spitskop SEF near Northam, Limpopo	FRV & iNca Energy	Project Manager & EAP
Steynsrus PV, Free State	Suncorp	Project Manager & EAP
Tabor SEF near Polokwane, Limpopo	FRV & iNca Energy	Project Manager & EAP
UpingtonAirport PV Installation, Northern Cape	The Power Company	Project Manager & EAP
Valeria SEF near Hartebeestpoort Dam, North West	Solar to Benefit Africa	Project Manager & EAP
Watershed SEF near Lichtenburg, North West	FRV & iNca Energy	Project Manager & EAP
Witkop SEF near Polokwane, Limpopo	FRV & iNca Energy	Project Manager & EAP
Woodmead Retail Park Rooftop PV Installation,	Momentous Energy	Project Manager & EAP
Gauteng		

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
ECO and bi-monthly auditing for the construction of	Enel Green Power	Project Manager
the Adams Solar PV Project Two South of Hotazel,		
Northern Cape		
ECO for the construction of the Kathu PV Facility,	REISA	Project Manager
Northern Cape		/
ECO and bi-monthly auditing for the construction of	Enel Green Power	Project Manager
the Pulida PV Facility, Free State		
ECO for the construction of the RustMo1 SEF, North	Momentous Energy	Project Manager
West		
ECO for the construction of the Sishen SEF, Northern	Windfall 59 Properties	Project Manager

Project Name & Location	Client Name	Role
Cape		
ECO for the construction of the Upington Airport PV	Sublanary Trading	Project Manager
Facility, Northern Cape		
Quarterly compliance monitoring of compliance	REISA	Project Manager
with all environmental licenses for the operation		
activities at the Kathu PV facility, Northern Cape		
ECO for the construction of the Konkoonsies II PV SEF	BioTherm Energy	Project Manager
and associated infrastructure, Northern Cape		
ECO for the construction of the Aggeneys PV SEF	BioTherm Energy	Project Manager
and associated infrastructure, Northern Cape		

Compliance Advice and ESAP Reporting

Project Name & Location	Client Name	Role
Aggeneys Solar Farm, Northern Cape	BioTherm Energy	Environmental Advisor
Airies II PV Facility SW of Kenhardt, Northern Cape	BioTherm Energy	Environmental Advisor
Kalahari SEF Phase II in Kathu, Northern Cape	Engie	Environmental Advisor
Kathu PV Facility, Northern Cape	Building Energy	Environmental Advisor
Kenhardt PV Facility, Northern Cape	BioTherm Energy	Environmental Advisor
Kleinbegin PV SEF West of Groblershoop, Northern	MedEnergy	Environmental Advisor
Cape		
Konkoonises II SEF near Pofadder, Northern Cape	BioTherm Energy	Environmental Advisor
Konkoonsies Solar Farm, Northern Cape	BioTherm Energy	Environmental Advisor
Lephalale SEF, Limpopo	Exxaro	Environmental Advisor
Pixley ka Seme PV Park, South-East of De Aar,	African Clean Energy	Environmental Advisor
Northern Cape	Developments (ACED)	
RustMo1 PV Plant near Buffelspoort, North West	Momentous Energy	Environmental Advisor
Scuitdrift 1 SEF & Scuitdrift 2 SEF, Limpopo	Building Energy	Environmental Advisor
Sirius PV Plants, Northern Cape	Aurora Power Solutions	Environmental Advisor
Upington Airport PV Power Project, Northern Cape	Sublunary Trading	Environmental Advisor
Upington SEF, Northern Cape	Abengoa Solar	Environmental Advisor
Ofir-ZX PV SEF near Keimoes, Northern Cape	Networx \$28 Energy	Environmental Advisor
Environmental Permitting for the Steynsrus PV1 & PV2	Cronimet Power Solutions	Environmental Advisor
SEF's, Northern Cape		
Environmental Permitting for the Heuningspruit PV	Cronimet Power Solutions	Environmental Advisor
SEF, Northern Cape		

Due Diligence Reporting

Project Name & Location	Client Name	Role
5 PV SEF projects in Lephalale, Limpopo	iNca Energy	Environmental Advisor
Prieska PV Plant, Northern Cape	SunEdison Energy India	Environmental Advisor
Sirius Phase One PV Facility near Upington, Northern	Aurora Power Solutions	Environmental Advisor
Cape		

Environmental Permitting, \$53, Water Use Licence (WUL), Waste Management Licence (WML) & Other Applications

Project Name & Location	Client Name	Role
Biodiversity Permit & WULA for the Aggeneys SEF	BioTherm Energy	Project Manager & EAP
near Aggeneys, Northern Cape		
Biodiversity Permit for the Konkoonises II SEF near	BioTherm Energy	Project Manager & EAP
Pofadder, Northern Cape		

Project Name & Location	Client Name	Role
Biodiversity Permitting for the Lephalale SEF,	Exxaro Resources	Project Manager & EAP
Limpopo		
Environmental Permitting for the Kleinbegin PV SEF	MedEnergy	Project Manager & EAP
West of Groblershoop, Northern Cape		
Environmental Permitting for the Upington SEF,	Abengoa Solar	Project Manager & EAP
Northern Cape		
Environmental Permitting for the Kathu PV Facility,	Building Energy	Project Manager & EAP
Northern Cape		
Environmental Permitting for the Konkoonsies Solar	BioTherm Energy	Project Manager & EAP
Farm, Northern Cape		
Environmental Permitting for the Lephalale SEF,	Exxaro Resources	Project Manager & EAP
Limpopo		
Environmental Permitting for the Scuitdrift 1 SEF &	Building Energy	Project Manager & EAP
Scuitdrift 2 SEF, Limpopo		
Environmental Permitting for the Sirius PV Plant,	Aurora Power Solutions	Project Manager & EAP
Northern Cape		
Environmental Permitting for the Steynsrus PV1 & PV2	Cronimet Power Solutions	Project Manager & EAP
SEF's, Northern Cape		
Environmental Permitting for the Heuningspruit PV	Cronimet Power Solutions	Project Manager & EAP
SEF, Northern Cape		
Permits for the Kleinbegin and UAP PV Plants,	MedEnergy Global	Project Manager & EAP
Northern Cape		
S53 Application for Arriesfontein Solar Park Phase 1 –	Solar Reserve / SunCorp	Project Manager & EAP
3 near Danielskuil, Northern Cape		
S53 Application for Hertzogville PV1 & PV 2 SEFs, Free	Solar Reserve / SunCorp	Project Manager & EAP
State		
S53 Application for the Bloemfontein Airport PV	Sublunary Trading	Project Manager & EAP
Facility, Free State		
S53 Application for the Kimberley Airport PV Facility,	Sublunary Trading	Project Manager & EAP
Northern Cape		
S53 Application for the Project Blue SEF, Northern	WWK Developments	Project Manager & EAP
Cape		
S53 Application for the Upington Airport PV Facility,	Sublunary Trading	Project Manager & EAP
Free State		
WULA for the Kalahari SEF Phase II in Kathu, Northern	Engie	Project Manager & EAP
Cape		

RENEWABLE POWER GENERATION PROJECTS: CONCENTRATED SOLAR FACILITIES (CSP)

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
llanga CSP 2, 3, 4, 5, 7 & 9 Facilities near Upington,	Emvelo Holdings	Project Manager & EAP
Northern Cape		
llanga CSP near Upington, Northern Cape	llangethu Energy	Project Manager & EAP
llanga Tower 1 Facility near Upington, Northern	Emvelo Holdings	Project Manager & EAP
Cape		
Karoshoek CPVPD 1-4 facilities on site 2 as part of	FG Emvelo	Project Manager & EAP
the larger Karoshoek Solar Valley Development East		
of Upinaton, Northern Cape		

Project Name & Location	Client Name	Role
Karoshoek CSP facilities on sites 1.4; 4 & 5 as part of	FG Emvelo	Project Manager & EAP
the larger Karoshoek Solar Valley Development East		
of Upington, Northern Cape		
Karoshoek Linear Fresnel 1 Facility on site 1.1 as part	FG Emvelo	Project Manager & EAP
of the larger Karoshoek Solar Valley Development		
East of Upington, Northern Cape		

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
ECO for the construction of the !Khi CSP Facility,	Abengoa Solar	Project Manager
Northern Cape		
ECO for the construction of the llanga CSP 1 Facility	Karoshoek Solar One	Project Manager
near Upington, Northern Cape		
ECO for the construction of the folar Park, Northern	Kathu Solar	Project Manager
Cape		
ECO for the construction of the KaXu! CSP Facility,	Abengoa Solar	Project Manager
Northern Cape		
Internal audit of compliance with the conditions of	Karoshoek Solar One	Project Manager
the IWUL issued to the Karoshoek Solar One CSP		
Facility, Northern Cape		

Screening Studies

Project Name & Location	Client Name	Role
Upington CSP (Tower) Plant near Kanoneiland,	iNca Energy and FRV	Project Manager & EAP
Northern Cape		

Compliance Advice and ESAP reporting

Project Name & Location	Client Name	Role
llanga CSP Facility near Upington, Northern Cape	llangethu Energy	Environmental Advisor
llangalethu CSP 2, Northern Cape	FG Emvelo	Environmental Advisor
Kathu CSP Facility, Northern Cape	GDF Suez	Environmental Advisor
Lephalale SEF, Limpopo	Cennergi	Environmental Advisor
Solis I CSP Facility, Northern Cape	Brightsource	Environmental Advisor

Environmental Permitting, \$53, Water Use Licence (WUL), Waste Management Licence (WML) & Other Applications

Project Name & Location	Client Name	Role
Environmental Permitting for the Ilanga CSP Facility	llangethu Energy	Project Manager & EAP
near Upington, Northern Cape		
Environmental Permitting for the Kathu CSP, Northern	GDF Suez	Project Manager & EAP
Cape		
WULA for the Solis I CSP Facility, Northern Cape	Brightsource	Project Manager & EAP

RENEWABLE POWER GENERATION PROJECTS: WIND ENERGY FACILITIES

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
Sere WEF, Western Cape	Eskom Holdings SoC Limited	EAP
Aberdeen WEF, Eastern Cape	Eskom Holdings SoC Limited	Project Manager & EAP
Amakhala Emoyeni WEF, Eastern Cape	Windlab Developments	Project Manager & EAP
EXXARO West Coast WEF, Western Cape	EXXARO Resources	Project Manager & EAP

Project Name & Location	Client Name	Role
Goereesoe Wind Farm near Swellendam, Western	iNca Energy	Project Manager & EAP
Cape		
Hartneest WEF, Western Cape	Juwi Renewable Energies	Project Manager & EAP
Hopefield WEF, Western Cape	Umoya Energy	EAP
Kleinsee WEF, Northern Cape	Eskom Holdings SoC Limited	Project Manager & EAP
Klipheuwel/Dassiesfontein WEF within the Overberg	BioTherm Energy	Project Manager & EAP
area, Western Cape		
Moorreesburg WEF, Western Cape	iNca Energy	Project Manager & EAP
Oyster Bay WEF, Eastern Cape	Renewable Energy Resources	Project Manager & EAP
	Southern Africa	
Project Blue WEF, Northern Cape	Windy World	Project Manager & EAP
Rheboksfontein WEF, Western Cape	Moyeng Energy	Project Manager & EAP
Spitskop East WEF near Riebeeck East, Eastern Cape	Renewable Energy Resources	Project Manager & EAP
	Southern Africa	
Suurplaat WEF, Western Cape	Moyeng Energy	Project Manager & EAP
Swellendam WEF, Western Cape	IE Swellendam	Project Manager & EAP
Tsitsikamma WEF, Eastern Cape	Exxarro	Project Manager & EAP
West Coast One WEF, Western Cape	Moyeng Energy	Project Manager & EAP

Basic Assessments

Project Name & Location	Client Name	Role
Amakhala Emoyeni Wind Monitoring Masts, Eastern	Windlab Developments	Project Manager & EAP
Cape		
Beaufort West Wind Monitoring Masts, Western Cape	Umoya Energy	Project Manager & EAP
Hopefield Community Wind Farm near Hopefield,	Umoya Energy	Project Manager & EAP
Western Cape		
Koekenaap Wind Monitoring Masts, Western Cape	EXXARO Resources	Project Manager & EAP
Koingnaas WEF, Northern Cape	Just Palm Tree Power	Project Manager & EAP
Laingsburg Area Wind Monitoring Masts, Western	Umoya Energy	Project Manager & EAP
Cape		
Overberg Area Wind Monitoring Masts, Western	BioTherm Energy	Project Manager & EAP
Cape		
Oyster Bay Wind Monitoring Masts, Eastern Cape	Renewable Energy Systems	Project Manager & EAP
	Southern Africa (RES)	

Screening Studies

screening studies		
Project Name & Location	Client Name	Role
Albertinia WEF, Western Cape	BioTherm Energy	Project Manager & EAP
Koingnaas WEF, Northern Cape	Just Pal Tree Power	Project Manager & EAP
Napier Region WEF Developments, Western Cape	BioTherm Energy	Project Manager & EAP
Tsitsikamma WEF, Eastern Cape	Exxarro Resources	Project Manager & EAP
Various WEFs within an identified area in the	BioTherm Energy	Project Manager & EAP
Overberg area, Western Cape		
Various WEFs within an identified area on the West	Investec Bank Limited	Project Manager & EAP
Coast, Western Cape		
Various WEFs within an identified area on the West	Eskom Holdings Limited	Project Manager & EAP
Coast, Western Cape		
Various WEFs within the Western Cape	Western Cape Department of	Project Manager & EAP
	Environmental Affairs and	
	Development Planning	

Project Name & Location	Client Name	Role
Velddrift WEF, Western Cape	VentuSA Energy	Project Manager & EAP
Wind 1000 Project	Thabo Consulting on behalf of	Project Manager & EAP
	Eskom Holdings	
Wittekleibosch, Snylip & Doriskraal WEFs, Eastern	Exxarro Resources	Project Manager & EAP
Cape		

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
ECO for the construction of the West Coast One	Aurora Wind Power	Project Manager
WEF, Western Cape		
ECO for the construction of the Gouda WEF,	Blue Falcon	Project Manager
Western Cape		
EO for the Dassiesklip Wind Energy Facility, Western	Group 5	Project Manager
Cape		
Quarterly compliance monitoring of compliance	Blue Falcon	Project Manager
with all environmental licenses for the operation		
activities at the Gouda Wind Energy facility near		
Gouda, Western Cape		
Annual auditing of compliance with all	Aurora Wind Power	Project Manager
environmental licenses for the operation activities at		
the West Coast One Wind Energy facility near		
Vredenburg, Western Cape		
External environmental and social audit for the	Cennergi	Project Manager
Amakhala Wind Farm, Eastern Cape		
External environmental and social audit for the	Cennergi	Project Manager
Tsitsikamma Wind Farm, Eastern Cape		
ECO for the construction of the Excelsior Wind Farm	BioTherm Energy	Project Manager
and associated infrastructure, Northern Cape		
External compliance audit of the Dassiesklip Wind	BioTherm Energy	Project Manager
Energy Facility, Western Cape		

Compliance Advice

Project Name & Location	Client Name	Role
Amakhala Phase 1 WEF, Eastern Cape	Cennergi	Environmental Advisor
Dassiesfontein WEF within the Overberg area,	BioTherm Energy	Environmental Advisor
Western Cape		
Excelsior Wind Farm, Western Cape	BioTherm Energy	Environmental Advisor
Great Karoo Wind Farm, Northern Cape	African Clean Energy	Environmental Advisor
	Developments (ACED)	
Hopefield Community WEF, Western Cape	African Clean Energy	Environmental Advisor
	Developments (ACED)	
Rheboksfontein WEF, Western Cape	Moyeng Energy	Environmental Advisor
Tiqua WEF, Western Cape	Cennergi	Environmental Advisor
Tsitsikamma WEF, Eastern Cape	Cennergi	Environmental Advisor
West Coast One WEF, Western Cape	Moyeng Energy	Environmental Advisor

Due Diligence Reporting

Project Name & Location	Client Name	Role
Witteberg WEF, Western Cape	EDPR Renewables	Environmental Advisor

Project Name & Location	Client Name	Role
IPD Vredenburg WEF within the Saldanha Bay area,	IL&FS Energy Development	Environmental Advisor
Western Cape	Company	

Environmental Permitting, \$53, Water Use Licence (WUL), Waste Management Licence (WML) & Other Applications

Project Name & Location	Client Name	Role
Biodiversity Permitting for the Power Line between	Cennergi	Project Manager & EAP
the Tsitikamma Community WEF & the Diep River		
Substation, Eastern Cape		
Biodiversity Permitting for the West Coast One WEF,	Aurora Wind Power	Project Manager & EAP
Western Cape		
Environmental Permitting for the Excelsior WEF,	BioTherm Energy	Project Manager & EAP
Western Cape		
Plant Permits & WULA for the Tsitsikamma	Cennergi	Project Manager & EAP
Community WEF, Eastern Cape		
S24G and WULA for the Rectification for the	Hossam Soror	Project Manager & EAP
commencement of unlawful activities on Ruimsig AH		
in Honeydew, Gauteng		
S24G Application for the Rheboksfontein WEF,	Ormonde - Theo Basson	Project Manager & EAP
Western Cape		
\$53 Application & WULA for Suurplaat and Gemini	Engie	Project Manager & EAP
WEFs, Northern Cape		
\$53 Application for the Hopefield Community Wind	Umoya Energy	Project Manager & EAP
Farm near Hopefield, Western Cape		
S53 Application for the Project Blue WEF, Northern	WWK Developments	Project Manager & EAP
Cape		
S53 for the Oyster Bay WEF, Eastern Cape	RES	Project Manager & EAP
WULA for the Great Karoo Wind Farm, Northern	African Clean Energy	Project Manager & EAP
Cape	Developments (ACED)	

CONVENTIONAL POWER GENERATION PROJECTS (COAL)

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
Mutsho Power Station near Makhado, Limpopo	Mutsho Consortium	Project Manager & EAP
Coal-fired Power Station near Ogies, Mpumalanga	Ruukki SA	Project Manager & EAP
Thabametsi IPP Coal-fired Power Station, near	Axia	Project Manager & EAP
Lephalale, Limpopo		
Transalloys Coal-fired Power Station, Mpumalanga	Transalloys	Project Manager & EAP
Tshivasho IPP Coal-fired Power Station (with WML),	Cennergi	Project Manager & EAP
near Lephalale, Limpopo		
Umbani Coal-fired Power Station, near Kriel,	ISS Global Mining	Project Manager & EAP
Mpumalanga		
Waterberg IPP Coal-Fired Power Station near	Exxaro Resources	Project Manager & EAP
Lephalale, Limpopo		

Basic Assessments

Project Name & Location	Client Name	Role
Coal Stockyard on Medupi Ash Dump Site, Limpopo	Eskom Holdings	Project Manager & EAP

Project Name & Location	Client Name	Role
Biomass Co-Firing Demonstration Facility at Arnot	Eskom Holdings	Project Manager & EAP
Power Station East of Middleburg, Mpumlanaga		

Screening Studies

Project Name & Location	Client Name	Role
Baseload Power Station near Lephalale, Limpopo	Cennergi	Project Manager & EAP
Coal-Fired Power Plant near Delmas, Mpumalanga	Exxaro Resources	Project Manager & EAP
Makhado Power Station, Limpopo	Mutsho Consortium, Limpopo	Project Manager & EAP

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
ECO for the Camden Power Station, Mpumalanga	Eskom Holdings	Project Manager

Compliance Advice

Project Name & Location	Client Name	Role
Thabametsi IPP Coal-fired Power Station, near	Axia	Environmental Advisor
Lephalale, Limpopo		

Environmental Permitting, \$53, Water Use Licence (WUL), Waste Management Licence (WML) & Other Applications

Project Name & Location	Client Name	Role
Permit application for the Thabametsi Bulk Water	Axia	Project Manager & EAP
Pipeline, near Lephalale, Limpopo		
S53 & WULA for the Waterberg IPP Coal-Fired Power	Exxaro Resources	Project Manager & EAP
Station near Lephalale, Limpopo		
S53 Application for the Tshivasho Coal-fired Power	Cennergi	Project Manager & EAP
Station near Lephalale, Limpopo		

CONVENTIONAL POWER GENERATION PROJECTS (GAS)

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
Ankerlig OCGT to CCGT Conversion project &400 kV	Eskom Holdings SoC Limited	Project Manager & EAP
transmission power line between Ankerlig and the		
Omega Substation, Western Cape		
Gourikwa OCGT to CCGT Conversion project & 400	Eskom Holdings SoC Limited	Project Manager & EAP
kV transmission power line between Gourikwa &		
Proteus Substation, Western Cape		
Richards Bay Gas to Power Combined Cycle Power	Eskom Holdings SoC Limited	Project Manager & EAP
Station, KwaZulu-Natal		
Richards Bay Gas to Power Plant, KwaZulu-Natal	Richards Bay Gas	Project Manager & EAP
Decommissioning & Recommissioning of 3 Gas	Eskom Holdings	Project Manager & EAP
Turbine Units at Acacia Power Station & 1 Gas		
Turbine Unit at Port Rex Power Station to the existing		
Ankerlig Power Station in Atlantis Industria, Western		
Cape		
Two 132kV Chickadee Lines to the new Zonnebloem	Eskom Holdings	Project Manager & EAP
Switching Station, Mpumalanga		
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Screening Studies

Project Name & Location	Client Name	Role
Fatal Flaw Analysis for 3 area identified for the	Globeleq Advisors Limited	Project Manager & EAP
establishment of a 500MW CCGT Power Station		
Richards Bay Gas to Power Combined Cycle Power	Eskom Holdings SoC Limited	Project Manager & EAP
Station, KwaZulu-Natal		

GRID INFRASTRUCTURE PROJECTS

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
Aggeneis-Oranjemond Transmission Line &	Eskom Transmission	Project Manager & EAP
Substation Upgrade, Northern Cape		
Ankerlig-Omega Transmission Power Lines, Western	Eskom Transmission	Project Manager & EAP
Cape		
Karoshoek Grid Integration project as part of the	FG Emvelo	Project Manager & EAP
Karoshoek Solar Valley Development East of		
Upington, Northern Cape		
Koeberg-Omega Transmission Power Lines,, Western	Eskom Transmission	Project Manager & EAP
Cape		
Koeberg-Stikland Transmission Power Lines, Western	Eskom Transmission	Project Manager & EAP
Cape		
Kyalami Strengthening Project, Gauteng	Eskom Transmission	Project Manager & EAP
Mokopane Integration Project, Limpopo	Eskom Transmission	Project Manager & EAP
Saldanha Bay Strengthening Project, Western Cape	Eskom Transmission	Project Manager & EAP
Steelpoort Integration Project, Limpopo	Eskom Transmission	Project Manager & EAP
Transmission Lines from the Koeberg-2 Nuclear	Eskom Transmission	Project Manager & EAP
Power Station site, Western Cape		
Tshwane Strengthening Project, Phase 1, Gauteng	Eskom Transmission	Project Manager & EAP

Basic Assessments

Project Name & Location	Client Name	Role
Dassenberg-Koeberg Power Line Deviation from the	Eskom Holdings	Project Manager & EAP
Koeberg to the Ankerlig Power Station, Western		
Cape		
Golden Valley II WEF Power Line & Substation near	BioTherm Energy	Project Manager & EAP
Cookhouse, Eastern Cape		
Golden Valley WEF Power Line near Cookhouse,	BioTherm Energy	Project Manager & EAP
Eastern Cape		
Karoshoek Grid Integration project as part of the	FG Emvelo	Project Manager & EAP
Karoshoek Solar Valley Development East of		
Upington, Northern Cape		
Konkoonsies II PV SEF Power Line to the Paulputs	BioTherm Energy	Project Manager & EAP
Substation near Pofadder, Northern Cape		
Perdekraal West WEF Powerline to the Eskom Kappa	BioTherm Energy	Project Manager & EAP
Substation, Westnern Cape		
Rheboksfontein WEF Powerline to the Aurora	Moyeng Energy	Project Manager & EAP
Substation, Western Cape		
Soetwater Switching Station near Sutherland,	African Clean Energy	Project Manager & EAP
Northern Cape	Developments (ACED)	

Solis Power I Power Line & Switchyard Station near	Brightsource	Project Manager & EAP
Upington, Northern Cape		
Stormwater Canal System for the Ilanga CSP near	Karoshoek Solar One	Project Manager & EAP
Upington, Northern Cape		
Tsitsikamma Community WEF Powerline to the Diep	Eskom Holdings	Project Manager & EAP
River Substation, Eastern Cape		

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
ECO for the construction of the Ferrum-Mookodi	Trans-Africa Projects on behalf	Project Manager
Transmission Line, Northern Cape and North West	of Eskom	
EO for the construction of the Gamma-Kappa	Trans-Africa Projects on behalf	Project Manager
Section A Transmission Line, Western Cape	of Eskom	
EO for the construction of the Gamma-Kappa	Trans-Africa Projects on behalf	Project Manager
Section B Transmission Line, Western Cape	of Eskom	
EO for the construction of the Hydra IPP Integration	Trans-Africa Projects on behalf	Project Manager
project, Northern Cape	of Eskom	
EO for the construction of the Kappa-Sterrekus	Trans-Africa Projects on behalf	Project Manager
Section C Transmission Line, Western Cape	of Eskom	
EO for the construction of the Namaqualand	Trans-Africa Projects on behalf	Project Manager
Strengthening project in Port Nolloth, Western Cape	of Eskom	
ECO for the construction of the Neptune Substation	Eskom	Project Manager
Soil Erosion Mitigation Project, Eastern Cape		
ECO for the construction of the llanga-Gordonia	Karoshoek Solar One	Project Manager
132kV power line, Northern Cape		

Environmental Permitting, \$53, Water Use Licence (WUL), Waste Management Licence (WML) & Other Applications

Project Name & Location	Client Name	Role
Environmental Permitting and WULA for the	Eskom Holdings	Project Manager & EAP
Rockdale B Substation & Loop in Power Lines,		
Environmental Permitting and WULA for the	Eskom Holdings	Project Manager & EAP
Steelpoort Integration project, Limpopo		
Environmental Permitting for Solis CSP near Upington,	Brightsource	Project Manager & EAP
Northern Cape		

MINING SECTOR PROJECTS

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
Elitheni Coal Mine near Indwe, Eastern Cape	Elitheni Coal	Project Manager & EAP
Groot Letaba River Development Project Borrow Pits	liso	Project Manager & EAP
Grootegeluk Coal Mine for coal transportation	Eskom Holdings	Project Manager & EAP
infrastructure between the mine and Medupi Power		
Station (EMPr amendment) , Limpopo		
Waterberg Coal Mine (EMPr amendment), Limpopo	Seskoko Resources	Project Manager & EAP
Aluminium Plant WML & AEL, Gauteng	GfE-MIR Alloys & Minerals	Project Manager & EAP

Basic Assessments

Project Name & Location	Client Name	Role
Rare Earth Separation Plant in Vredendal, Western	Rareco	Project Manager & EAP
Cape		

Decommissioning and Demolition of Kilns 5 & 6 at	PPC	Project Manager & EAP
the Slurry Plant, Kwa-Zulu Natal		

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
ECO for the construction of the Duhva Mine Water	Eskom Holdings SoC Limited	Project Manager
Recovery Project, Mpumalanga		
External compliance audit of Palesa Coal Mine's	HCI Coal	Project Manager
Integrated Water Use License (IWUL), near		
KwaMhlanga, Mpumalanga		
External compliance audit of Palesa Coal Mine's	HCI Coal	Project Manager
Waste Management License (WML) and EMP, near		
KwaMhlanga, Mpumalanga		
External compliance audit of Mbali Coal Mine's	HCI Coal	Project Manager
Integrated Water Use License (IWUL), near Ogies,		
Mpumalanga		
Independent External Compliance Audit of Water	Tronox Namakwa Sands	Project Manager
Use License (WUL) for the Tronox Namakwa Sands		
(TNS) Mining Operations (Brand se Baai), Western		
Cape		
Independent External Compliance Audit of Water	Tronox Namakwa Sands	Project Manager
Use License (WUL) for the Tronox Namakwa Sands		
(TNS) Mineral Separation Plant (MSP), Western Cape		
Independent External Compliance Audit of Water	Tronox Namakwa Sands	Project Manager
Use License (WUL) for the Tronox Namakwa Sands		
(TNS) Smelter Operations (Saldanha), Western Cape		
Compliance Auditing of the Waste Management	PetroSA	Project Manager
Licence for the PetroSA Landfill Site at the GTL		
Refinery, Western Cape		

Environmental Permitting, \$53, Water Use Licence (WUL), Waste Management Licence (WML) & Other Applications

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Project Name & Location	Client Name	Role
Waste Licence Application for the Rare Earth	Rareco	Project Manager & EAP
Separation Plant in Vredendal, Western Cape		
WULA for the Expansion of the Landfill site at Exxaro's	Exxaro Resources	Project Manager & EAP
Namakwa Sands Mineral Separation Plant, Western		
Cape		
S24G & WML for an Aluminium Plant, Gauteng	GfE-MIR Alloys & Minerals	Project Manager & EAP

INFRASTRUCTURE DEVELOPMENT PROJECTS (BRIDGES, PIPELINES, ROADS, WATER RESOURCES, STORAGE, ETC)

Environmental Impact Assessments and Environmental Management Programmes

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Project Name & Location	Client Name	Role
Bridge across the Ngotwane River, on the border of	Eskom Holdings	Project Manager & EAP
South Africa and Botswana		
Chemical Storage Tanks, Metallurgical Plant	Goldfields	Project Manager & EAP
Upgrade & Backfill Plant upgrade at South Deep		
Gold Mine, near Westornaria, Gauteng		
Expansion of the existing Welgedacht Water Care	ERWAT	Project Manager & EAP
Works, Gauteng		

Project Name & Location	Client Name	Role
Golden Valley WEF Access Road near Cookhouse,	BioTherm Energy	Project Manager & EAP
Eastern Cape		
Great Fish River Wind Farm Access Roads and	African Clean Energy	Project Manager & EAP
Watercourse Crossings near Cookhouse, Eastern	Developments (ACED)	
Cape		
llanga CSP Facility Watercourse Crossings near	Karoshoek Solar one	Project Manager & EAP
Upington, Northern Cape		
Modification of the existing Hartebeestfontein Water	ERWAT	Project Manager & EAP
Care Works, Gautng		
N10 Road Realignment for the Ilanga CSP Facility,	SANRAL	Project Manager & EAP
East of Upington, Northern Cape		
Nxuba (Bedford) Wind Farm Watercourse Crossings	African Clean Energy	Project Manager & EAP
near Cookhouse, Eastern Cape	Developments (ACED)	
Pollution Control Dams at the Medupi Power Station	Eskom	Project Manager & EAP
Ash Dump & Coal Stockyard, Limpopo		
Qoboshane borrow pits (EMPr only), Eastern Cape	Emalahleni Local Municipality	Project Manager & EAP
Tsitsikamma Community WEF Watercourse Crossings,	Cennergi	Project Manager & EAP
Eastern Cape		
Clayville Central Steam Plant, Gauteng	Bellmall Energy	Project Manager & EAP
Msenge Emoyeni Wind Farm Watercourse Crossings	Windlab	Project Manager & EAP
and Roads, Eastern Cape		

Basic Assessments

Project Name & Location	Client Name	Role
Harmony Gold WWTW at Doornkop Mine, Gauteng	Harmony Doornkop Plant	Project Manager & EAP
Ofir-ZX Watercourse Crossing for the Solar PV Facility,	Networx \$28 Energy	Project Manager & EAP
near Keimoes, Northern Cape		
Qoboshane bridge & access roads, Eastern Cape	Emalahleni Local Municipality	Project Manager & EAP
Relocation of the Assay Laboratory near	Sibanye Gold	Project Manager & EAP
Carletonville, Gauteng		
Richards Bay Harbour Staging Area, KwaZulu-Natal	Eskom Holdings	Project Manager & EAP
S-Kol Watercourse Crossing for the Solar PV Facility,	Networx \$28 Energy	Project Manager & EAP
East of Keimoes, Northern Cape		
Sonnenberg Watercourse Crossing for the Solar PV	Networx \$28 Energy	Project Manager & EAP
Facility, West Keimoes, Northern Cape		
Kruisvallei Hydroelectric Power Generation Scheme,	Building Energy	Project Manager & EAP
Free State		
Masetjaba Water Reservoir, Pump Station and Bulk	Naidu Consulting Engineers	Project Manager & EAP
Supply Pipeline near Nigel, Gauteng		
Access Road for the Dwarsug Wind Farm, Northern	South Africa Mainsteam	Project Manager & EAP
Cape Province	Renewable Power	

Screening Studies

Project Name & Location	Client Name	Role
Roodepoort Open Space Optimisation Programme	TIMAC Engineering Projects	Project Manager & EAP
(OSOP) Precinct, Gauteng		/
Vegetable Oil Plant and Associated Pipeline, Kwa-	Wilmar Oils and Fats Africa	Project Manager & EAP
Zulu Natal		

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
ECO and bi-monthly auditing for the construction of	Department of Water and	Project Manager
the Olifants River Water Resources Development	Sanitation	Auditor
Project (ORWRDP) Phase 2A: De Hoop Dam, R555		
realignment and housing infrastructure		
ECO for the Rehabilitation of the Blaaupan & Storm	Airports Company of South	Project Manager
Water Channel, Gauteng	Africa (ACSA)	
Due Diligence reporting for the Better Fuel Pyrolysis	Better Fuels	Project Manager
Facility, Gauteng		
ECO for the Construction of the Water Pipeline from	Transnet	Project Manager
Kendal Power Station to Kendal Pump Station,		
Mpumalanga		
ECO for the Replacement of Low-Level Bridge,	South African National	Project Manager
Demolition and Removal of Artificial Pong, and	Biodiversity Institute (SANBI)	
Reinforcement the Banks of the Crocodile River at		
the Construction at Walter Sisulu National Botanical		
Gardens, Gauteng Province		
External Compliance Audit of the Air Emission	PetroSA	Project Manager
Licence (AEL) for a depot in Bloemfontein, Free		
State Province and in Tzaneen, Mpumalanga		
Province		

Environmental Permitting, \$53, Water Use Licence (WUL), Waste Management Licence (WML) & Other Applications

Project Name & Location	Client Name	Role
WULA for the Izubulo Private Nature Reserve,	Kjell Bismeyer, Jann Bader,	Project Manager & EAP
Limpopo	Laurence Saad	
WULA for the Masodini Private Game Lode, Limpopo	Masodini Private Game Lodge	Environmental Advisor
WULA for the Ezulwini Private Nature Reserve,	Ezulwini Investments	Project Manager & EAP
Limpopo		
WULA for the Masodini Private Game Lode, Limpopo	Masodini Private Game Lodge	Project Manager & EAP
WULA for the N10 Realignment at the llanga SEF,	Karoshoek Solar One	Project Manager & EAP
Northern Cape		
WULA for the Kruisvallei Hydroelectric Power	Building Energy	Project Manager & EAP
Generation Scheme, Free State		
S24G and WULA for the Ilegal construction of	Sorror Language Services	Project Manager & EAP
structures within a watercourse on EFF 24 Ruimsig		
Agricultural Holdings, Gauteng		

HOUSING AND URBAN PROJECTS

Basic Assessments

Project Name & Location	Client Name	Role
Postmasburg Housing Development, Northern Cape	Transnet	Project Manager & EAP

Compliance Advice and reporting

Project Name & Location	Client Name	Role
Kampi ya Thude at the Olifants West Game Reserve,	Nick Elliot	Environmental Advisor
Limpopo		
External Compliance Audit of WUL for the	Johannesburg Country Club	Project Manager
Johannesburg Country Club, Gauteng		

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
Due Diligence Audit for the Due Diligence Audit	Delta BEC (on behalf of	Project Manager
Report, Gauteng	Johannesburg Development	
	Agency (JDA))	

ENVIRONMENTAL MANAGEMENT TOOLS

Project Name & Location	Client Name	Role
Development of the 3rd Edition Environmental Implementation Plan (EIP)	Gauteng Department of Agriculture and Rural Development (GDARD)	Project Manager & EAP
Development of Provincial Guidelines on 4x4 routes, Western Cape	Western Cape Department of Environmental Affairs and Development Planning	EAP
Compilation of Construction and Operation EMP for the Braamhoek Transmission Integration Project, Kwazulu-Natal	Eskom Holdings	Project Manager & EAP
Compilation of EMP for the Wholesale Trade of Petroleum Products, Gauteng	Munaca Technologies	Project Manager & EAP
Operational Environmental Management Programme (OEMP) for Medupi Power Station, Limpopo	Eskom Holdings	Project Manager & EAP
Operational Environmental Management Programme (OEMP) for the Dube TradePort Site Wide Precinct	Dube TradePort Corporation	Project Manager & EAP
Operational Environmental Management Programme (OEMP) for the Kusile Power Station, Mpumalanga	Eskom Holdings	Project Manager & EAP
Review of Basic Assessment Process for the Wittekleibosch Wind Monitoring Mast, Eastern Cape	Exxaro Resources	Project Manager & EAP
Revision of the EMPr for the Sirius Solar PV	Aurora Power Solutions	Project Manager & EAP
State of the Environment (SoE) for Emalahleni Local Municipality, Mpumalanga	Simo Consulting on behalf of Emalahleni Local Municipality	Project Manager & EAP
Aspects and Impacts Register for Salberg Concrete Products operations	Salberg Concrete Products	EAP
First State of Waste Report for South Africa	Golder on behalf of the Department of Environmental Affairs	Project Manager & EAP
Responsibilities Matrix and Gap Analysis for the Kruisvallei Hydroelectric Power Generation Scheme, Free State Province	Building Energy	Project Manager
Responsibilities Matrix and Gap Analysis for the Roggeveld Wind Farm, Northern & Western Cape Provinces	Building Energy	Project Manager

PROJECTS OUTSIDE OF SOUTH AFRICA

Project Name & Location	Client Name	Role
Advisory Services for the Zizabona Transmission	PHD Capital	Advisor
Project, Zambia, Zimbabwe, Botswana & Namibia		
EIA for the Semonkong WEF, Lesotho	MOSCET	Project Manager & EAP
EMP for the Kuvaninga Energia Gas Fired Power	ADC (Pty) Ltd	Project Manager & EAP
Project, Mozambique		
Environmental Screening Report for the SEF near	Building Energy	EAP
Thabana Morena, Lesotho		
EPBs for the Kawambwa, Mansa, Mwense and	Building Energy	Project Manager & EAP
Nchelenge SEFs in Luapula Province, Zambia		
ESG Due Diligence for the Hilton Garden Inn	Vatange Capital	Project Manager
Development in Windhoek, Namibia		
Mandahill Mall Rooftop PV SEF EPB, Lusaka, Zambia	Building Energy	Project Manager & EAP
Monthly ECO for the PV Power Plant for the Mocuba	Scatec	Project Manager
Power Station		

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

Date: 16 October 2020

Signature of staff member or authorised official from the firm

Full name of staff member: Jo-Anne Thomas

Signed:



1st Floor, Block 2, 5 Woodlands Drive Office Park Woodlands Drive, Woodmead Johannesburg, South Africa

Email: tebogo@savannahsa.com

Tel: +27 (11) 656 3237

CURRICULUM VITAE OF TEBOGO MAPINGA

Profession: Business Operations Manager and EAP

Specialisation: Environmental Impact Assessments, Water Use Licencing, Waste Licencing, Environmental

Permitting

Work Experience: 14 years' experience in Environmental Management, National Water Act, Mineral and

Petroleum Resources Development Act, Project Management, Compliance Auditing,

Stakeholder Engagement, Policy and Legislation Advisory and Peer Review.

VOCATIONAL EXPERIENCE

Tebogo is an experienced professional with 14 years across the fields of Environment, Permitting, Project Management, Contract Management and Business Development, within the built infrastructure and most recently renewable energy sectors. I have an excellent track record and across-the-board proficiency within the following business environments: Business Development | Tender Management | Environmental Regulations & Compliance (Renewable Energy, Power, Infrastructure, Mining, ect) | Project Finance Environmental Due Diligence | Project Management (including contract management) | Design, Execution and management Project Permitting Processes | Team Management | Stakeholder Interfaces | Policy and Legislation Advisory.

I'm an assertive individual with a passion for renewable energy industry and power markets. I am a self-motivated and results orientated individual, able to effectively and expediently learn and absorb the nuances of new markets and take on strong leadership roles accordingly. I possess a strong business development, environmental and permitting acumen which also comes with the ability to cultivate significant synergies between stakeholders and authorities; and maintaining those relationships.

SKILLS BASE AND CORE COMPETENCIES

- Renewable Energy Permitting;
- Environmental Management;
- Environmental Due Diligence and Analysis;
- Tender and Bid Management;
- Project Management and client liaison;
- Contract Management;
- Report Writing, drafting proposals and tenders;
- Review of ECO Monitoring Reports and External Audit Reports
- Financial management and marketing;
- Understanding and Implementation of all Environmental Regulations and all other relevant legislation;
- Water Use Licence Applications (NWA)
- General Authorisations (NWA)
- Ability to work independently and in a team;
- Good verbal, writing and presentation skills;
- Time management and workload management; and
- Facilitation and Training skills.

EDUCATION AND PROFESSIONAL STATUS

Degrees:

BSc (Zoology and Physiology), The University of Limpopo

Short Courses:

- MS WORD- Computer Course (University of Limpopo (2006)
- Environmental Assessment Administration (2012)

Professional Society Affiliations:

- South African Council for Scientific Natural Professionals (SACNASP): Certified Natural Scientist Pr.Sci.Nat. (Membership No.: 115518)
- IAIAsa Member

Other Relevant Skills:

GPS use, spatial data capturing and ground truthing

EMPLOYMENT

Clude: Undertaking environmental impact nents, basic assessments, environmental
- 1
ement programmes (EMPrs), mental amendments, water use license ations, general authorisations, and permit ations, environmental compliance officer and reporting, Ensuring environmental cance on permitting processes, project ement, staff management and coon, client liaison and relationship ement.
invironmental Consultant
included: Undertaking environmental assessments, basic assessments, mental management programmes environmental amendments, water use applications, general authorisations, rights and permit applications, mental compliance officer audits and ag, Ensuring environmental compliance on ng processes, client liaison and ship management, public participation
n n

Date	Company	Roles and Responsibilities
April 2014 – December	Savannah Environmental (Pty) Ltd	Senior Environmental Consultant & Principal
2017	, ,,	Environmental Consultant
		<u>Tasks included:</u> Undertaking environmental impact assessments, basic assessments, environmental management programmes (EMPrs), environmental amendments, water use
		license applications, general authorisations, mining rights and permit applications, environmental compliance officer audits and reporting, Ensuring environmental compliance on permitting processes, client liaison and
		relationship management, public participation processes for environmental authorisations and environmental screening reports
April 2013 – March 2014	GIBB Engineering and Science	Senior Environmental Scientist
, , , , , , , , , , , , , , , , , , ,		<u>Tasks included:</u> Undertaking environmental impact assessments, basic assessments,
		environmental management programmes (EMPrs), environmental amendments. Ensuring environmental compliance on permitting processes, client liaison and relationship
		management, public participation processes for environmental authorisations and environmental screening reports.
April 2010 – March 2013	Department of Forestry, Fisheries and the Environment	Environmental Officer Specialised Production:
		Tasks included: The review of BARs, EIRs, EMPr's and Environmental Authorisations mainly for Parastatal projects (Eskom projects, SANRAL projects, Rand Water Project), Renewable energy projects and National Projects; and Drafting recommendations for EIA submissions.
April 2008 – March 2010	Strategic Environmental Focus	Environmental Consultant
		Tasks included: Undertaking environmental impact assessments, basic assessments, environmental management programmes (EMPrs), environmental amendments. Ensuring environmental compliance on permitting
		processes, client liaison, project management and relationship management, public participation processes for environmental authorisations and environmental screening reports.
January 2007 – March 2008	Phaki Phakanani Environmentyal Consultants	Environmental Consultants
		Tasks included: Undertaking environmental impact assessments, basic assessments, environmental management programmes

Date	Company	Roles and Responsibilities
		(EMPrs), environmental amendments. Ensuring
		environmental compliance on permitting
		processes, client liaison, project management
		and relationship management, public
		participation processes for environmental
		authorisations and environmental screening
		reports.

PROJECT EXPERIENCE

Project experience includes project management, EIA, BA and EMPr documentation development, integrated water use license applications, general authorisations, and impact assessments, compliance auditing and monitoring, vegetation rehabilitation and monitoring plans, integrated waste management plans and waste licencing.

Industry experience includes conduction Rain Readiness Assessments for Eskom Power Stations, the waste sector (IWMP's and waste licencing), road infrastructure (BAR, S&EIR, WUL/GA, Waste Licence), Filling station applications for Shell SA and BP, private sector clients across varying industries (various permits), mining sector (BAR & S&EIR), conservation sector (biodiversity plans), renewable energy industry (BAR, S&EIR) as well as the gas industry.

RENEWABLE POWER GENERATION PROJECTS: WIND & SOLAR ENERGY FACILITIES

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
Thabametsi Coal Fired Power Station	G7 Renewable Energy (Pty)	Environmental consultant
	Ltd	
Richards Bay CCPP Power Project	Eskom SOC Ltd	Project Manager
		Environmental consultant
Gunstfontein Wind Energy Facility	Ginstfontein Wind Farm (Pty)	Project Manager
	Ltd	Environmental consultant
Pofadder 3 Wind and 1 solar Energy Facilities	Mainstream Renewable	Project Manager
	Power South Africa	Environmental consultant
Solar Reserve Kotulo Tsatsi PV 2 Facility	Solar Reserve Pty (Ltd)	Project Manager
		Environmental consultant

Environmental Permitting, Water Use Licence (WUL), Waste Management Licence (WML) & Other Applications

Project Name & Location	Client Name	Role
Klawer Wind Farm FC Permitting	Building Energy and G7	Project Manager,
		Environmental consultant,
		Public Participation
Karusa Wind Farm FC Permitting (GA and Biodiversity	Karusa Wind Farm (Pty) Ltd	Project Manager,
Permit)		Environmental consultant,
		Public Participation
Roggeveld Wind Farm FC Permotting	Building Energy and G7	Project Manager,
		Environmental consultant,
		Public Participation
Soetwater Wind Farm FC Permitting (GA and	Soetwater Wind Farm (Pty)	Project Manager,
Biodiversity Permit)	Ltd	Environmental consultant,
		Public Participation

Nxuba Wind Farm FC Permitting (GA and Biodiversity	Nxuba Wind Farm (Pty) Ltd	Project Manager,
Permit)		Environmental consultant,
		Public Participation
Adams PV Facility Upgrading of Charles Street FC	Aurora Power Solutions (Pty)	Project Manager,
Permitting		Environmental consultant,
		Public Participation
Bellatrix PV Facility FC Closure	Aurora Power Solutions (Pty)	Project Manager,
		Environmental consultant,
		Public Participation

HOUSING AND URBAN PROJECTS

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
Proposed Housing Development on Portion 237 of	Housing Development	Project Manager,
the Farm Hartebeestpoort 328 in Koedoespoort,	Agency	Environmental consultant,
Gauteng Province		Public Participation

Basic Assessments

Project Name & Location	Client Name	Role
Pienaarspoort Wind Energy Facility, Northern Cape	ABO Wind renewable energies	Environmental consultant
Province	(Pty) Ltd	
Doornkop Maize Mill EIA, Mpumalanga Province	Department of Rural	Project Manager,
	Development and Land	Environmental consultant,
	Reform	Public Participation
Proposed Housing Development on Portion 237 of	Housing Development	Project Manager,
the Farm Hartebeestpoort 328 in Koedoespoort,	Agency	Environmental consultant,
Gauteng Province		Public Participation
Karusa Wind Energy Facility Grid Connection BAR	Karusa Wind Farm (Pty) Ltd	Project Manager,
		Environmental consultant,
		Public Participation
Soetwater Wind Energy Facility Grid Connection BAR	Soetwater Wind Farm (Pty)	Project Manager,
	Ltd	Environmental consultant
Gunstfontein Wind Energy Facility Grid Connection	Gunstfontein Ind Farm (Pty)	Project Manager,
	Ltd	Environmental consultant
Great Fish River Watercourse Crossing BAR	African Clean Energy	Project Manager,
	Developers (Pty) Ltd (ACED)	Environmental consultant

Screening Studies

Project Name & Location	Client Name	Role
Bobididi Solar Facility	Environmental Screening-	Project Manager, EAP
	Root 60FOUR Energy (Pty) Ltd	
Hazelwood Stormwater Environmental Screening	Johannesburg Water	Project Manager,
		Environmental consultant

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role

Transnet Depot and Siding compliance auditing	Transnet SOC Ltd	ECO
programme, Johannesburg, Gauteng & Rustenburg,		
North-West Province		
Environmental compliance monitoring for the office	South African National	Project Manager,
complex development within the Pretoria National	Biodiversity Institute (SANBI)	Environmental consultant,
Botanical Gardens, Pretoria, Gauteng		Public Participation, ECO

Water Use Licence (WUL), Waste Management Licence (WML) & Other Applications

Project Name & Location	Client Name	Role
EIA, WULA and waste variation for the retrofitting of	Eskom SOC Ltd	Project Manager,
the FGD at Medupi Power Station		Environmental consultant,
		Public Participation

SPECIALIST STUDIES

Project Name & Location	Client Name	Role
Rain Readiness Assessments for the Matla, Kriel,	Eskom SOC Ltd	Environmental specialist
Majula and Kusile Substations		



1st Floor, Block 2, 5 Woodlands Drive Office Park Woodlands Drive, Woodmead Johannesburg, South Africa

Email: gideon@savannahsa.com

Tel: +27 (11) 656 3237

CURRICULUM VITAE OF GIDEON RAATH

Profession: Environmental and Permitting Consultant

Specialisation: Environmental Impact Assessments, Water Use Licencing, Waste Licencing, Environmental

Compliance Officer, Ecological Specialist, Wetland Specialist, GIS, MPRDA permitting

Work Experience: 4.5 years' experience in environmental management, National Water Act, Mineral and

Petroleum Resources Development Act, ECO and compliance auditing, wetland and

ecological specialist reporting

VOCATIONAL EXPERIENCE

Gideon holds an MSc (Geography and Environmental Management; SU), a BSc Honours (Ecology and Environmental Studies - Cum laude; Wits) and a BSc (Geography and Environmental Management; UJ). His MSc thesis focused on the hydrological impact on the spatial distribution of invasive Eucalyptus trees along the Breede River, while his honours thesis evaluated ethnobotanical relationships around the Rio Tinto copper mine in Phalaborwa. Most recently he has worked as an Environmental Consultant at EOH Coastal and Environmental Services (EOH CES), conducting environmental authorisations applications (NWA, NEMA, MPRDA), Public Participation Processes, GIS specialisation as well as Ecological and Wetland specialist studies. Previously, Gideon worked as the Monitoring & Evaluation Project Manager for the City of Cape Town's invasive species unit (Environmental Resources Management Department).

Gideon's GIS background includes the management of the City of Cape Town invasive species GIS database, involving the storage, management, recall and quality control off all sightings, clearance visits and known infestations. Further experience include mapping for various consulting projects, boundary verification through ground-truthing and the spatial mapping and delineation component of this MSc research. Gideon has further attended public participation workshops, and has been involved with IAP identification, translation, public meetings and engagement for a variety of projects, mainly within the Afrikaans speaking Northern Cape. Gideon is interested in invasion ecology, treatment of groundwater pollution through phytoremediation, botanical and wetland specialist studies, GIS application for ecology and environmental management, and the EIA processes in general.

SKILLS BASE AND CORE COMPETENCIES

- Environmental Management
- GIS data manipulation, storage, management and mapping
- EIA Impact Assessments and Basic Assessment
- Environmental Management Programmes
- Environmental Compliance Monitoring
- Mining Rights, Mining Permits, Prospecting Rights (and renewal) applications (MPRDA & NEMA)
- Public and Stakeholder Engagement (NEMA)
- Ecological/Botanical Specialist Studies

- Wetland Delineation, Functional and Impact Assessment studies
- Water Use Licence Applications (NWA)
- General Authorisations (NWA)

EDUCATION AND PROFESSIONAL STATUS

Degrees:

- M.Sc. Geography and Environmental Science (2014), Stellenbosch University (2014)
- B.Sc. (Hons) Ecology, Environment and Conservation (Cum Laude), University of the Witwatersrand (2011)
- B.Sc. Life and Environmental Sciences, University of Johannesburg (2010)

Short Courses:

- GroundTruth SASS5 competency course, GroundTruth Aquatic Consulting (2017)
- DWS 21C&I GA training workshop, Department of Water and Sanitation (2016)
- IAIAsa Public Participation Process Workshop, IAIA South Africa (2016)
- EIA Theory and application, EOH Coastal and Environmental Services (2015)
- Water Safety Training, City of Cape Town Environmental Resources Department (2014)
- Herbicide safety and application for weed control, City of Cape Town Environmental Resources Department (2014)
- Snake awareness training, City of Cape Town Environmental Resources Department (2014)
- Habitable Planet Workshop, Applied Centre for Climate & Earth Systems Science, Cape Town (2011)

Professional Society Affiliations:

- Golden Key International Honour Society University of the Witwatersrand Chapter
- South African Council for Scientific Natural Professionals (SACNASP): Certified Natural Scientist Pr.Sci.Nat. (Membership No.: 117178)
- IAIAsa (Membership No.: 3619)

Other Relevant Skills:

GPS use, spatial data capturing and ground truthing

EMPLOYMENT

Date	Company	Roles and Responsibilities
October 2018 - Current:	Savannah Environmental (Pty) Ltd	Environmental and Permitting Consultant
		Tasks include: Undertaking environmental impact assessments, basic assessments, environmental management programmes (EMPrs), environmental amendments, water use license applications, general authorisations, wetland assessments, botanical/ecological assessments, mining rights and permit applications, prospecting rights applications, environmental compliance officer audits and reporting, Ensuring environmental compliance on permitting processes, client liaison and relationship management.

Date	Company	Roles and Responsibilities
February 2015 –	EOH Coastal and Environmental	Senior Environmental Consultant
September 2018	Services (Pty) Ltd	
		Tasks included: Undertaking environmental
		impact assessments, basic assessments,
		environmental management programmes
		(EMPrs), environmental amendments, water use
		license applications, general authorisations, wetland assessments, botanical/ecological
		assessments, mining rights and permit
		applications, prospecting rights applications,
		environmental compliance officer audits and
		reporting, Ensuring environmental compliance on
		permitting processes, client liaison and
		relationship management, public participation
		processes for environmental authorisations.
March 2014 – February	Invasive Species Unit (ISU),	Professional Officer
2015	Environmental Resources	
	Management Department (ERMD),	<u>Tasks included:</u> Managed the Monitoring &
	City of Cape Town	Evaluation project portfolio, entailing the
		establishment of an invasive species monitoring &
		evaluation system for the ISU, as well as GIS
		database management, quality assurance and
		reporting thereof. Position required managing a
		small staff compliment (dealing directly with GIS
		database management), managing time and budgets for the monitoring division, conducting
		monitoring trials and research, writing species
		management plans as well as handling the GIS
		database, quality control, verification and
		integrity for the ISU.
January 2012 – March	University of Stellenbosch	Departmental Assistant
2014		
		Tasks included: Technical editing of academic
		reports.
		Formatting of PhD and MSc reports on a weekly
		basis, with short turnaround time and good quality feedback.
January 2011 – January	University of the Witwatersrand	Departmental Assistant
2012	of the whiware stand	Departmental Assistant
		Tasks included: Responsible for practical tutorials
		and marking of 1st year medical students.
		Included zoology and botany.
January 2006 –	Codeon Networking CC	Co-founder and web developer
November 2010 (part		
time)		Tasks included: Small business owner, responsible
		for all facets of the business. Self-taught HTML, CSS,
		PHP and MySQL. Won and produced two medium
		enterprise websites serving the gaming
		community. Websites required user profiles &
		permissions, CMS system and automated
		payment options as functionality. Development

Date	Company	Roles and Responsibilities	
		and maintenance of a user database and	
		account management system.	

PROJECT EXPERIENCE

Project experience includes project management, EIA, BA and EMPr documentation development, integrated water use license applications, general authorisations, specialist botanical and ecological impact assessments, specialist wetland delineation and impact assessments, GIS applications and mapping, compliance auditing and monitoring, vegetation rehabilitation and monitoring plans, integrated waste management plans and waste licencing, mining right & permits, as well as prospecting rights applications.

Industry experience includes the waste sector (IWMP's and waste licencing), road and rail infrastructure (BAR, S&EIR, WUL/GA, Waste Licence), ports and harbours (management plans), private sector clients across varying industries (various permits), mining sector (BAR, S&EIR, mining permits and rights, prospecting rights), conservation sector (biodiversity plans), renewable energy industry (BAR, S&EIR) as well as the gas and oil industry (biodiversity reports).

RENEWABLE POWER GENERATION PROJECTS: SOLAR ENERGY FACILITIES

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
Enel Paleisheuwel Solar compliance auditing,	Enel Green Power RSA (EGP	Environmental consultant
Paleisheuwel, Northern Cape	RSA)	

RENEWABLE POWER GENERATION PROJECTS: WIND ENERGY FACILITIES

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
G7 Brandvalley S&EIR, Matjiesfontein, Northern Cape	G7 Renewable Energy (Pty)	Environmental consultant
G7 Rietkloof S&EIR, Matjiesfontein, Northern Cape	G7 Renewable Energy (Pty)	Environmental consultant

Basic Assessments

Project Name & Location	Client Name	Role
G7 Renewable Energy 132kV BAR & EMPr,	G7 Renewable Energy (Pty)	Project Manager,
Matjiesfontein, Northern Cape	Ltd	Environmental consultant,
		Public Participation

Compliance Advice and ESAP reporting

Project Name & Location	Client Name	Role
Biotherm Energy Golden Valley Wind Energy Facility	Biotherm Energy Pty Ltd	Environmental consultant
ESAP, Bedford, Eastern Cape		

Amendments

Project Name & Location	Client Name	Role

Mosselbay Energy EA Amendment, Mosselbay,	Mosselbay Energy IPP (Pty)	Environmental consultant
Western Cape	Ltd	

GAS PROJECTS

Screening Studies

Project Name & Location	Client Name	Role
iGas integrated biodiversity screening, Saldanha,	Central Energy Fund - iGas	Environmental consultant,
Western Cape	(subsidiary)	Faunal specialist (assistant)

MINING SECTOR PROJECTS

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
Triton Minerals Limited Ancuabe and Nicanda Hills	Triton Minerals Ltd	Environmental consultant
EPDA, Ancuabe, Cabo Del Gado Province,		
Mozambique		
Ancuabe graphite mine Environmental and Social	Grafex Limitada Mozambique	Environmental consultant
Impact Assessment (ESIA), Cabo Del Gado Province,		
Mozambique		

Basic Assessments

Project Name & Location	Client Name	Role
SANRAL material sourcing BAR (DMR), Hendrina,	SANRAL SOC Ltd & Leo	Project Manager,
Mpumalanga Province	consulting engineers	Environmental consultant,
		Public Participation
SANRAL Bierspruit R510 Borrow Pit authorisation,	SANRAL SOC Ltd & Royal	Project Manager,
Thabazimbi, Limpopo Province	HaskoningDHV South Africa	Environmental consultant,
		Ecological specialist, Public
		Participation
Almenar tin prospecting BAR, Carnarvon, Northern	Almenar Property Investments	Environmental consultant
Cape	(Pty) Ltd	

Rehabilitation Studies

Project Name & Location	Client Name	Role
Ancuabe baseline vegetation monitoring	Grafex Limitada Mozambique	Botanical specialist
assessment and programme, Ancuabe, Cabo Del		
Gado Province, Mozambique		
Prospecting pit rehabilitation programme, Ancuabe,	Grafex Limitada Mozambique	Botanical specialist,
Cabo Del Gado Province, Mozambique		Environmental consultant
Mayfield Quarry rehabilitation plan, Grahamstown,	Mayfield Quarry	Environmental consultant
Eastern Cape		

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
Construction monitoring and DMR environmental	SANRAL SOC Ltd & Leo	Project Manager, ECO,
authorisation, Hendrina, Mpumalanga Province	consulting engineers	/
SANRAL Caledon N2 Section 3 road upgrade ECO	JG Afrika Engineering	Project Manager, ECO
Audits and Reporting, Caledon, Western Cape		
Province		

Environmental Permitting, \$53, Water Use Licence (WUL), Waste Management Licence (WML) & Other Applications

Project Name & Location	Client Name	Role
VMC Mining permit renewal application, Rust De	Vergenoeg Mining Company	Environmental consultant
Winter, Gauteng	(Pty) Ltd	
Zirco Resources Kamiesberg heavy mineral sand	Zirco Roode Heuwel (Pty) Ltd	Environmental consultant
mine water use licence, Kamiesberg, Northern Cape		

INFRASTRUCTURE DEVELOPMENT PROJECTS (BRIDGES, PIPELINES, ROADS, WATER RESOURCES, STORAGE, ETC.)

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
S&EIR authorisation for the SANRAL Zandkraal-	SANRAL SOC Ltd & SMEC	Project Manager,
Windburg N1 road upgrade, Windburg, Free State	Consulting Engineers	Environmental consultant,
Province		Public Participation
Thabazimbi Local Municipality Integrated Waste	Thabazimbi Local	Environmental consultant,
Management Plan, Thabazimbi, Limpopo Province	Municipality & Anglo	Public Participation
	American Plc	

Basic Assessments

Project Name & Location	Client Name	Role
SANRAL Masekwaspoort N1 Road Upgrade BA, Louis	SANRAL SOC Ltd & Knight	Project Manager,
Trichardt, Limpopo Province	Piésold Consulting	Environmental consultant,
		Public Participation
SANRAL Polokwane N1 Ring Road Upgrade Basic	SANRAL SOC Ltd & KBK	Environmental consultant
Assessment, Polokwane, Limpopo Province	Engineers	
Boshoek Loop Rail Upgrade BAR, Rustenburg, North-	Transnet SOC Ltd	Project Manager,
West Province		Environmental consultant,
		Wetland specialist, Public
		Participation
Heysterkrand Loop Rail Upgrade BAR, Rustenburg,	Transnet SOC Ltd	Project Manager,
North-West Province		Environmental consultant,
		Public Participation
SANRAL Bierspruit R510 road upgrade Basic	SANRAL SOC Ltd & Royal	Project Manager,
Assessment, Thabazimbi, Limpopo Province	HaskoningDHV South Africa	Environmental consultant,
		Ecological specialist, Public
		Participation
Barberton IAPS Waste Water Treatment Works	Umjindi Local Municipality	Project Manager,
development BAR, Barberton, Mpumalanga	and Rhodes University	Environmental consultant,
Province		Public Participation
SANRAL Caledon N2 Section 3 road upgrade project	JG Afrika Engineering	Project Manager,
Basic Assessment, Caledon, Western Cape Province		Environmental consultant,
		Ecological specialist, ECO

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
Construction Monitoring and DMR environmental	SANRAL SOC Ltd & Leo	Project Manager,
authorisation, Hendrina, Mpumalanga Province	consulting engineers	Environmental consultant,
		ECO

Environmental Permitting, \$53, Water Use Licence (WUL), Waste Management Licence (WML) & Other Applications

Project Name & Location	Client Name	Role
Water use licence for the SANRAL Zandkraal-	SANRAL SOC Ltd & SMEC	Project Manager,
Windburg N1 road upgrade and quarrying,	Consulting Engineers	Environmental consultant,
Windburg, Free State Province		Public Participation
SANRAL Masekwaspoort N1 road upgrade water use	SANRAL SOC Ltd & Knight	Project Manager,
licence application, Louis Trichardt, Limpopo	Piésold Consulting	Environmental consultant,
Province		Public Participation
Boshoek Loop Rail Upgrade water use licence	Transnet SOC Ltd	Project Manager,
application, Rustenburg, North-West Province		Environmental consultant,
		Wetland specialist, Public
		Participation
SANRAL Bierspruit R510 road water use licence,	SANRAL SOC Ltd & Royal	Project Manager,
Thabazimbi, Limpopo Province	HaskoningDHV South Africa	Environmental consultant,
		Ecological specialist, Public
		Participation
Barberton IAPS Waste Water Treatment Works water	Umjindi Local Municipality	Project Manager,
use licence and SASS 5 assessment, Barberton,	and Rhodes University	Environmental consultant,
Mpumalanga Province		Aquatic specialist, Public
		Participation
SANRAL Caledon N2 Section 3 road upgrade water	JG Afrika Engineering	Project Manager,
use licence and specialist reports, Caledon, Western		Environmental consultant,
Cape Province		Ecological specialist, Public
		Participation

HOUSING AND URBAN PROJECTS

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
Scoping and EIR authorisation, Water Use Licence,	Frances Baard Local	Project Manager,
for the Ganspan tourism facility development, Jan	Municipality	Environmental consultant,
Kempdorp, Northern Cape		Public Participation

Basic Assessments

Project Name & Location	Client Name	Role
Basic Assessment for the office complex	South African National	Project Manager,
development within the Pretoria National Botanical	Biodiversity Institute (SANBI)	Environmental consultant,
Gardens, Pretoria, Gauteng		Public Participation, ECO
Corner Berg and Drooge Street township	Ramotshere Moiloa Local	Project Manager,
development BAR, Zeerust, North-West Province	Municipality	Environmental consultant,
		Public Participation
Corner Kort and Bree Street township development	Ramotshere Moiloa Local	Project Manager,
BAR, Zeerust, North-West Province	Municipality	Environmental consultant,
		Public Participation
Hope Village township development BAR,	Door of Hope Charity	Project Manager,
Johannesburg, Gauteng	Organisation	Environmental consultant,
		Public Participation
ACSA Jones Road Filling Station Basic Assessment,	Airports Company South	Project Manager,
Johannesburg, Gauteng	Africa SOC Ltd	Environmental consultant,
		Public Participation

Screening Studies

Project Name & Location	Client Name	Role
Kibler Park Church Development ecological	Riverside Community Church	Project Manager,
assessment, Johannesburg, Gauteng		Ecological specialist
DEA Quoin Point dune specialist assessments,	Department of Environmental	Project Manager,
Gansbaai, Western Cape	Affairs (national)	Environmental consultant

Environmental Compliance, Auditing and ECO

Project Name & Location	Client Name	Role
Transnet Depot and Siding compliance auditing	Transnet SOC Ltd	ECO
programme, Johannesburg, Gauteng & Rustenburg,		
North-West Province		
Environmental compliance monitoring for the office	South African National	Project Manager,
complex development within the Pretoria National	Biodiversity Institute (SANBI)	Environmental consultant,
Botanical Gardens, Pretoria, Gauteng		Public Participation, ECO

Environmental Permitting, \$53, Water Use Licence (WUL), Waste Management Licence (WML) & Other Applications

Project Name & Location	Client Name	Role
Atmospheric Emissions Licence, Section 24G for the	ER Galvanizers Pty Ltd	Project Manager,
ER Galvanizing plant and operations, Johannesburg,		Environmental consultant,
Gauteng		Public Participation
City of Johannesburg nature reserve proclamation	City of Johannesburg SOC	Project Manager,
(Phase II), Johannesburg, Gauteng	Ltd	Environmental consultant,
		Public Participation,
		Botanical specialist
Hope Village township development water use	Door of Hope Charity	Project Manager,
icence, Johannesburg, Gauteng	Organisation	Environmental consultant,
		Public Participation
Diamond Park Township Development Section 24G,	Sol Plaatje Local Municipality	Project Manager,
Kimberley, Northern Cape		Environmental consultant,
		Public Participation
Boschendal Wine Estate hydro-electric power station	Boschendal Wine Estate	Environmental consultant
Water Use Licence and S24G application,		
Stellenbosch, Western Cape		
City of Johannesburg nature reserve proclamation	City of Johannesburg SOC	Environmental consultant
boundary verification (Phase I), Johannesburg,	Ltd	
Gauteng		
PRDW Cape Town harbour breakwater rehabilitation	PRDW Engineering	Project Manager,
EMPr, Cape Town, Western Cape		Environmental consultant
PRDW Bushman's Estuary dune encroachment	PRDW Engineering	Environmental consultant
project management, Kenton-on-sea, Eastern Cape		
Corner Berg and Drooge Street township	Ramotshere Moiloa Local	Project Manager,
development water use licence application,	Municipality	Environmental consultant
Zeerust, North-West Province		
Corner Kort and Bree Street township development	Ramotshere Moiloa Local	Project Manager,
water use licence, Zeerust, North-West Province	Municipality	Environmental consultant
Bloekombos (Kraaifontein) hospital water use	Western Cape Provincial	Project Manager,
licence application, Cape Town, Western Cape	Government (PGWC)	Environmental consultant,
		Botanical specialist,
		Wetland specialist

SPECIALIST STUDIES

Project Name & Location	Client Name	Role
Boshoek Loop Rail Upgrade BAR and Water Use	Transnet SOC Ltd	Wetland specialist
Licence, Rustenburg, North-West Province		
City of Johannesburg nature reserve proclamation	City of Johannesburg SOC	Botanical specialist
(Phase II), Johannesburg, Gauteng	Ltd	
SANRAL Bierspruit R510 road upgrade Water Use	SANRAL SOC Ltd & Royal	Ecological specialist
Licence, Basic Assessment, Thabazimbi, Limpopo	HaskoningDHV South Africa	
Province		
Kibler Park Church Development Ecological	Riverside Community Church	Ecological specialist
Assessment, Johannesburg, Gauteng		
Barberton IAPS Waste Water Treatment Works	Umjindi Local Municipality	Aquatic specialist
development BAR, water use licence and SASS 5	and Rhodes University	
assessment, Barberton, Mpumalanga Province		
Wijnberg Trust Dam 2 expansion Aquatic Impact	Wijnberg Trust	Aquatic specialist
Assessment		
SANRAL Caledon N2 Section 3 road upgrade project	JG Afrika Engineering	Ecological specialist
Basic Assessment, Water Use Licence and Specialist		
reports, Caledon, Western Cape Province		
City of Johannesburg nature reserve proclamation	City of Johannesburg SOC	GIS specialist
boundary verification (Phase I), Johannesburg,	Ltd	
Gauteng		
iGas integrated biodiversity screening, Saldanha,	Central Energy Fund - iGas	Faunal specialist (assistant)
Western Cape	(subsidiary)	
Bloekombos (Kraaifontein) botanical baseline and	Western Cape Provincial	Wetland specialist
impact assessment, Cape Town, Western Cape	Government (PGWC)	Botanical specialist