

Appendix H: Details of EAP and expertise

CURRICULUM VITAE



CECILIA CANAHAI

NAME OF FIRM : *JEFFARES & GREEN (Pty) Ltd*

NAME OF PERSON : *CECILIA CANAHAI*

NATIONALITY : *SOUTH AFRICAN*

DATE OF BIRTH : *1965/03/29*

PROFESSION : *ENGINEERING GEOLOGIST / ENVIRONMENTAL PRACTITIONER*

POSITION IN FIRM : *TECHNICAL DIRECTOR*

QUALIFICATION : *Pr Sci Nat, MSc (Eng Geology), BSc (Eng Geology)*

SPECIALISATION IN FIRM : *GEOTECHNICAL / ENVIRONMENTAL WASTE MANAGEMENT*

YEARS OF EXPERIENCE : *27*

YEARS WITH FIRM : *16*

SUMMARY OF EXPERIENCE

Cecilia Canahai gained her first site experience working as a site geologist for oil and gas exploration, in Romania, in 1988. She completed drilling supervision, sampling, gas chromatography, borehole logging and interpretation, report writing and made recommendations for drilling parameters.

Cecilia joined Moore Spence Jones (Pty) Ltd in 1997 as an engineering geologist, where she completed numerous geotechnical investigations for township and industrial development, sports facility developments, private residential properties and pipeline investigations. She has completed slope analyses with recommendations for rehabilitation. Other aspects of her experience include dam and tunnel investigations.

She acquired her first experience as an environmentalist while carrying out groundwater pollution monitoring, at SAPREF.

All projects have included fieldwork, on site testing, site supervision of works, material sampling, interpretation of laboratory results, client liaison, and reporting.

Cecilia joined Jeffares & Green (Pty) Ltd in 1999 as an environmentalist / engineering geologist.

As an engineering geologist she has worked on various projects, inter alia, geotechnical investigations for rural water supply schemes, housing developments, roads investigations, materials investigations, lateral support design and geotechnical investigations for dams and tunnels.

As an environmental practitioner she has successfully completed numerous Environmental Impact Assessment Scoping reports, Solid Waste Management, Environmental Management Programme Reports and Closure Reports for various mines/ borrow pits and Environmental Audits. Mrs Canahai is also involved in other aspects of the environmental field such as scoping and public

participation, impact assessment, mitigation and monitoring and preparation of environmental management plans (EMP).

Cecilia was the Pietermaritzburg Branch Quality System Manager, involved in the maintaining the office' quality standard in terms of ISO 9001 (Jeffares & Green is ISO 9001 certified) between 2002 and 2007, when work commitments required her to hand over this particular task to someone else.

Cecilia became a shareholder in 2011 and a partner in 2012. Since 2011 her main duties are business development and marketing in the fields of engineering geology geotechnical engineering; waste management; environmental science, aquatic health and water resources management.

She has certificates in Integrated Environmental Management, Environmental Auditing and Internal & Suppliers Auditor in terms of ISO 9001.

SOCIETY MEMBERSHIP

PrSciNat	Registered with the South African Council for Natural Scientific Professions Registration No 400011/00: Environmental Science & Geological Science
SAIEG	Member of the South African Institute for Engineering and Environmental Geologists Membership No 03/211
IAIA	Member of the International Association of Impact Assessment

EDUCATION

1983	:	Certificate of Baccalaureate , Pitesti, Romania
1987	:	BSc (Hons) (Eng Geol) University of Bucharest, Romania
1988	:	MSc (Eng Geol) University of Bucharest, Romania

EXPERIENCE

Jeffares & Green (Pty) Ltd

2015	:	New Ash Facility at Camden Power Station for Eskom.
2014	:	Atlas Substation EIA for Closure and Risk Assessment and Due Diligence Gauteng Department of Roads and Transportation: Environmental assessment for 15 Intersection upgrades
2013	:	Geotechnical Investigation in support of the Feasibility Study for a 5 GW power Solar Park in the Northern Cape Province of South Africa (presidential project) Source various geotechnical work for Eskom (SA parastatal)
2012	:	Feasibility Study for the potential sources of water for the Tikwa Wind Farm N11 Sections 6 & 7 Borrow Pit Closure Various Water Use Licence Applications
2011	:	Basic Assessment for the installation of Fibre Optic Cable between Aliwal North and George Baseline study for Eskom WTW and WWTW for readiness for Blue Drop / Green Drop Certification Basic Assessment for the installation of Fibre Optic Cable between Johannesburg and Cape Town

- : Various Geotechnical Investigations for Rand Water Pipelines
- : Various Environmental Basic Assessments for Rand Water Pipelines
- : Various Geotechnical Investigations for various Eskom towers (3 year Contract)

- 2009 - 2010** : N4 Rustenburg to Swartruggens: Geotechnical investigation for N4 road rehabilitation
- : Pikitup OSH Legal Audits
- : Dumbe Coalline Geotechnical investigation for Transnet (stability of proposed cuttings)
- : Various Geotechnical Investigations for Rand Water Pipelines
- : Various Environmental Basic Assessments for Rand Water Pipelines
- : Various Geotechnical Investigations for various Eskom towers (3 year Contract)
- : Basic Assessment for the installation of Fibre Optic Cable between Pretoria and Rustenburg
- : Materials recovery facility in Ekandustria Waste Licence Application and Basic assessment

- 2008 – 2009** : Pikitup Environmental Compliance
- : Rand Water G25 Pipeline Basic Assessment study downgraded to and Environmental Management Plan; Saved the Client R100 000,00 in fees.
- : Pikitup Garden sites and Depot sites Application for Waste Licences & Basic Assessment studies
- : Pretoria North Modal Interchange: full Environmental Impact Assessment for intermodal facility
- : N11 Section 4: Environmental services for obtaining Authorization for road rehabilitation and borrow pits
- : Various Geotechnical Investigations for Eskom towers (3 year Contract)
- : N6: Environmental services and Applications for Borrow Pits Closures
- : N12 Section 12: Environmental Auditing for road construction

- 2007 – 2008** : N6 Section 8 Closure Documentation for quarry and borrow pits for Road Rehabilitation
- : Lesotho Lowlands Water Supply Scheme: Geotechnical Investigation
- : Lusikisiki Police Station Geotechnical Investigation
- : Toscana Ridge Geotechnical Investigation for Housing development
- : Phinda Game Reserve: Geotechnical investigation for Housing development
- : Lusikisiki Police Station: Geotechnical Investigation.
- : Pretoria North Station Modal Interchange: full Environmental Impact Assessment for various road realignments, modal interchange and railway refurbishment in Pretoria.
- : N1 Section 14: Full Environmental Impact Assessment for the N1 rehabilitation.
- : Mt Ayliff & Mt Frere Access Roads – Environmental services for obtaining authorization from DEAET and DME for 12 access roads and associated borrow pits.
- : N2 Pongola Borrow pits: Application for borrow pits Closure
- : N2 Section 32: environmental services for obtaining Authorization for road rehabilitation and borrow pits
- : Umzimkhulu Municipality: Various environmental services for the upgrade of roads in Umzimkhulu
- : Environmental Management Plan for the rehabilitation of Dorpspruit River, Pietermaritzburg
- : Kwamashu Police Station Basic Assessment Report

- 2006 – 2007** : Elliottdale Landfill Site Classification and Permitting
- : Impendle Housing Development (1500 units): Geotechnical Investigation.
- : Lesotho Lowlands Bulk Water Supply Scheme: Geotechnical Investigation

- : Environmental Impact Assessment for various access roads in the Mt Frere and Mt Ayliff areas for the Umzimvubu Municipality.
- : Bubu Access Road : Geotechnical and materials investigation
- : Erf 3 Bishopstowe: Geotechnical Investigation for housing development
- : Willowton Proposed Shopping Centre: Geotechnical Investigation
- : Black Umfolozi River Bridge: Basic Assessment for environmental authorization
- : Mtwalume River sand mining Environmental Management Plan
- : Vulindlela Access Road: Environmental Management Plan for construction
- : Inhlazuka CWSS Environmental Management Plan for construction
- : Ladysmith Development: Preliminary Geotechnical & Environmental assessments
- : Black Umfolozi River Bridge - Basic Assessment Report as per NEMA Regulations 386.
- : Erf 3 Bishopstowe Geotechnical investigation for housing development
- : Vulindlela Access Roads – Environmental services for road rehabilitation.

- 2005 – 2006**
- : Closure of Landfill Site Hluhluwe & Identification of new Landfill Site to replace the old Landfill Site
 - : N11 Sections 6 and 7 Borrow Pits and Quarry Permitting: environmental services (EIA & EMPR's) 10 borrow pits and one quarry
 - : N12 Section 12 Borrow Pits & Quarry Permitting: environmental services (EIA & EMPR's) for 8 borrow pits and one quarry
 - : Impendle Community Water Supply Schemes – Environmental services for obtaining authorization from DAEA for the construction of a community pipeline and associated structures.
 - : Masomonco Community Water Supply Scheme - Environmental services for obtaining authorization from DAEA for the construction of a community pipeline and associated structure.
 - : KwaNovuka Community Water Supply Scheme - Environmental services for obtaining authorization from DAEA for the construction of a community pipeline and associated structure.
 - : Umtshezi Municipality Land Use Management System – Broad Environmental Scan
 - : Vryheid Housing Development – Geotechnical Investigation
 - : Illovo River Mining Right – environmental services for a sand mining operation on the Illovo River
 - : Kwa Gququma Community Water Supply Scheme - Environmental services for obtaining authorization from DAEA for the construction of a community pipeline and associated structure.

- 2004 – 2005**
- : Geogedale development – environmental services for sand mining
 - : God's Haven Housing Development – Geotechnical Investigation
 - : Kwa Senge Clinic – Geotechnical Investigation
 - : Umdoni Municipality Cemetery – Geotechnical & Environmental Assessments
 - : N6 Borrow Pits and Quarry Permitting: environmental services (EIA & EMPR's) 10 borrow pits and one quarry
 - : Umkomaas River Mining Right – environmental services for sand mining operations on the Umkomaas River
 - : Umkomaas River Footbridge – Geotechnical Investigation
 - : Marburg Prison – Geotechnical Investigation
 - : Enkanyezini Community Water Supply Scheme - Environmental services for obtaining authorization from DAEA for the construction of a community pipeline and associated structures.
 - : Shemula Community Water Supply Scheme - Environmental services for obtaining authorization from DAEA for the construction of a community pipeline and associated structures.
 - : Mtwalume River Mining Permit – environmental services for sand mining operation on the Mtwalume River.

- : Umzimkulu River Mining Right – environmental services for sand mining operations on the Umzimkulu River
- : Umvoti River Mining Rights and Permits – environmental services for various sand mining operations on the Umvoti River
- : N2 Pongola quarry – Geotechnical Investigation
- : Rugged Glen - Environmental services for upgrading and construction of new structures.

- 2003 – 2004**
- : Kwa Mpande Geotechnical Investigation for school
 - : St Ives Environmental Scoping for tourism development on the Midlands Meander
 - : Ladysmith Petrol Station – Geotechnical Investigation and Scoping report
 - : Kwa Ngwanase Community Water Supply Scheme – Geotechnical investigation for pipeline and associated structures.
 - : Kwa Ngwanase Community Water Supply Scheme Environmental Scoping for proposed pipeline and associated structures.
 - : Emkhuzeni & Mhlangana Community Water Supply Schemes – Geotechnical investigation for pipelines and associated structures.
 - : Emkhuzeni & Mhlangana Community Water Supply Schemes Environmental Scoping for proposed pipelines and associated structures.
 - : Inanda Dam Mining Permit – environmental services for a sand mining operation on the Inanda Dam.
 - : Mdloti River Mining Conversion of old right to Mining Right.
 - : Edwin Swales – Environmental Management Plan compilation and Auditing.
 - : Estcourt Prison – Geotechnical Investigation
 - : Kombuzi Environmental Management Programme report for mining
 - : Umhlumayo Community Water Supply Scheme – Geotechnical Investigation

- 2002 – 2003**
- : Dumbe Housing Development – Geotechnical Investigation.
 - : Clouds oh Hope – Children’s Home – Geotechnical Investigation
 - : C4 Water Pipeline – Johannesburg – Geotechnical Investigation.
 - : Kombuzi Community Water Supply Scheme – Geotechnical investigation for pipeline and associated structures.
 - : Hlahlindlela Community Water Supply Scheme – Geotechnical investigation for pipeline and associated structures.
 - : Shemula Community Water Supply Scheme – Geotechnical investigation for pipeline and associated structures.
 - : Mt Frere rehabilitation of 3 roads – Geotechnical Investigation
 - : Mbono Community Water Supply Scheme – Geotechnical investigation for pipeline and associated structures.
 - : Camperdown Spar - Geotechnical Investigation for failed pavement.
 - : Thokoza Community Water Supply Scheme – Geotechnical investigation for pipeline and associated structures.
 - : Nqutu Community Water Supply Scheme – Geotechnical investigation for pipeline and associated structures.
 - : Taxi Rank at Lusikisiki – Geotechnical Investigation
 - : Kwa Hlope Community Water Supply Scheme – Geotechnical investigation for pipeline and associated structures.
 - : Mbazwane Community Water Supply Scheme – Geotechnical investigation for pipeline and associated structures.

- 2001 – 2002**
- : Amangwe Community Water supply Scheme Environmental Scoping for Pipeline and associated structure
 - : Black Umfolozi River Bridge - Basic Assessment Report as per NEMA Regulations 386.
 - : Mt Ayliff & Mt Frere Access Roads – Environmental services for obtaining authorization from DEAET and DME for access roads and associated borrow pits.
 - : Erf 3 Bishopstowe Geotechnical investigation for housing development

- 2000 – 2001** : Black Umfolozi River Bridge - Basic Assessment Report as per NEMA Regulations 386.
: Mt Ayliff & Mt Frere Access Roads – Environmental services for obtaining authorization from DEAET and DME for access roads and associated borrow pits.
: Erf 3 Bishopstowe Geotechnical investigation for housing development
- 1999 – 2000** : Nzinga and Langkloof CWSS: Geotechnical Investigation for pipeline and reservoirs, Environmental Scoping: & Environmental Management Programme reports for mining
: Mbazwana CWSS: Geotechnical Investigation for pipeline and reservoirs, & Environmental Scoping
: Nhlangano to Sicunusa Road: Geotechnical & Materials Investigation
: Edendale Hospital New Wing: Geotechnical Investigation
: Spandikroon, Dival & Mhlabathini CWSS: Geotechnical Investigations for pipeline and reservoirs, Environmental Scoping: reports
: Tugela Estates CWSS: Geotechnical Investigations for pipeline and reservoirs
: Debep Quarry Drilling Investigation for materials for road Construction
: N2 Road Rehabilitation at Kei River Geotechnical investigation for road rehabilitation

Moore Spence Jones (Pty) Ltd

- 1998 – 1999** : Indian Ocean Fertilizers (Richards Bay): Geotechnical Investigation for new plant
: Housing Development at Hammarsdale: Geotechnical investigation for foundations, earthworks, suitability of materials for road construction, etc.
: Zimbali Housing Development: Geotechnical investigation for foundations, earthworks, suitability of materials for road construction, etc.
: Cato Manor: Stability Investigation of platform cuttings
: Mpophomeni Housing Development: Geotechnical investigation for foundations, earthworks, suitability of materials for road construction, etc.
: Fleetguard Pmb: Geotechnical investigation for warehouse foundations, earthworks, suitability of materials for road construction, etc.
: Stukenberg Water Pipeline: Geotechnical investigation for slope stability, pipeline re-routing and tunnel investigation, etc.
: Booth Road Housing Development: Geotechnical investigation for foundations, earthworks, suitability of materials for road construction, etc.
- 1996 – 1998** : Gateway Development: Geotechnical Investigation for founding conditions, Assessment of waste, Site stability, etc.
: Azalea Housing Development Geotechnical investigation for foundations, earthworks, suitability of materials for road construction, etc.
: Matatiele Housing Development Geotechnical investigation for foundations, earthworks, suitability of materials for road construction, etc.
: Kwa Dabeka Housing Development Geotechnical investigation for foundations, earthworks, suitability of materials for road construction, etc.
: Newlands West: Geotechnical Investigation at cracked houses
: AECl: Geotechnical Investigation into the stability of the slimes dams at AECl
: SAPREF: Groundwater Pollution monitoring

Craiova Drilling Company Romania

- 1992 - 1988** : Site geologist - Responsible for Drilling supervision at various oil & gas exploration & exploitation boreholes. Main duties included sample and core analysis and description, data logging and interpretation, down-the-hole logging and on site interpretation, gas chromatography and geo-service logging, compilation of reports and recommendations for drilling parameters.

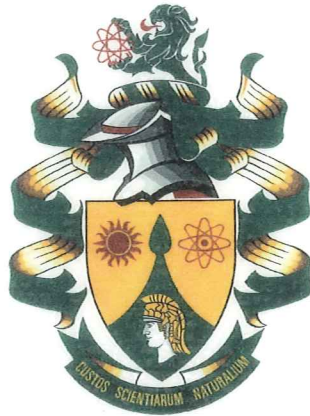
- : A major project Mrs Canahai was involved in, was the drilling supervision of a 6000m deep exploration hole. Responsibilities included liaison with design engineers and contractors, gas chromatography and geo-service logging, compilation of reports and recommendations for drilling parameters.

PUBLISHED PAPERS

“Mineralogical Study of Devonian Deposits of the Hercinic Orogen, Dobrogea”, *MSc Thesis*, University of Bucharest (Engineering Geology), 1988.

LANGUAGES

English : *Very Good*
Romanian : *Excellent*



THE SOUTH AFRICAN COUNCIL
FOR
NATURAL SCIENTIFIC PROFESSIONS

herewith certifies that

Cecilia Canahai

Registration number: 400011/00

is registered as a

Professional Natural Scientist

in terms of section 20(3)(a) of the Natural Scientific Professions Act, 2003
(Act 27 of 2003) in the following field(s) of practice (Schedule I of the Act)

Environmental Science

(Registration date: 4 July 2007)

Geological Science

(Registration date: 17 February 2000)

4 July 2007

.....
Pretoria

P. M. M. M.
.....
President

[Signature]
.....
Chief Executive Officer

CURRICULUM VITAE



SONJA VAN DER MERWE

NAME OF FIRM : *JEFFARES & GREEN (Pty) Ltd*

NAME OF PERSON : *SONJA VAN DER MERWE (née van Eden)*

NATIONALITY : *SOUTH AFRICAN*

DATE OF BIRTH : *1981/04/18*

PROFESSION : *ENVIRONMENTAL PRACTITIONER*

POSITION IN FIRM : *SENIOR ENVIRONMENTAL SCIENTIST*

QUALIFICATION : *BA (Hons) Geography and Environmental Management*

SPECIALISATION IN FIRM : *ENVIRONMENTAL/GIS*

YEARS OF EXPERIENCE : *10*

YEARS WITH FIRM : *4 Years*

SUMMARY OF EXPERIENCE

Sonja van Eden gained her first experience when she joined Cymbian Enviro-Social Consulting Services where she worked as a Junior Environmental Consultant and later a Senior Environmental Consultant at during the period May 2005 until February 2009. In this position, Sonja was responsible for undertaking, inter alia: Environmental Impact Assessments, Basic Assessments, Feasibility Studies, Mine Closure Planning, Environmental Control Auditing, GIS Mapping, managing Junior Practitioners and preparing proposals to source new work. When Cymbian Enviro-Social Consulting Services was liquidated in February 2009, Sonja joined Phoenix Environmental where she worked as a Senior Environmental Consultant from February 2009 until May 2009.

Sonja then joined Nemaï Consulting where she was appointed to primarily fulfil the duties of a Senior Environmental Practitioner within the company. In this position, Sonja was responsible for undertaking environmental protocols (e.g. Environmental Impact Assessments) for large-scale and strategic projects, managing Junior Practitioners and preparing proposals to source new work. Sonja was employed at Nemaï Consulting from May 2009 until February 2011.

Sonja joined Jeffares & Green (Pty) Ltd in May 2011 where she fulfils the duties of an Environmental Scientist.

SOCIETY MEMBERSHIP

IAIA Member of the International Association of Impact Assessment

EDUCATION

- 2002 : **BA Geography and Environmental Management**, Rand Afrikaans University, South Africa
- 2003 : **BA (Hons) Geography and Environmental Management**, Rand Afrikaans University, South Africa

EXPERIENCE

Jeffares & Green (Pty) Ltd

- 2011 - 2015** :
- Waste Licence Applications for two Existing Pikit-Up Garden Refuse Sites Located within the City of Johannesburg. Client: Pikit-Up
 - Basic Assessment Application Process for the installation of a proposed fibre optic cable between Aliwal North and George. Client: Sirius Access Solutions
 - Water Use Licence Application for a Proposed Fibre Optic Cable between Johannesburg and Cape Town. Client: Sirius Access Solutions
 - Water Use Licence Application for a Proposed Fibre Optic Cable between Aliwal North and George. Client: Sirius Access Solutions
 - Basic Assessment for the Re-alignment, Upgrade and Rehabilitation of a Section of the R315 in Cullinan, Gauteng. Client: Gauteng Department of Roads and Transport
 - Environmental Control Auditing for the Rehabilitation and Upgrading of the N11 Section 4 between Newcastle and Ingogo Station. Client: Aurecon
 - Environmental Control Auditing for the Rehabilitation and Upgrading of the R546 between Standerton and Vrede. Client: SSI / Tshepega Joint Venture, on behalf of the Free State Department of Police, Roads and Transport
 - Section 24 Application for Emergency Patchwork Undertaken on a Railway Line in Kimberley, Northern Cape. Client: Transnet Freight Rail (TFR)
 - Borrow Pit Closure Applications for various Borrow Pits located along the N11 between Ermelo and Amersfoort, Mpumalanga. Client: GIBB Engineering and Science (GIBB)
 - Basic Assessment Process in terms of the Waste Act to obtain a Closure Permit for the Amalia Landfill Site located in Amalia, North West. Client: Dr Ruth S Mompoti District Municipality.
 - Waste Licence Applications for a New Waste Transfer Station in Amalia, North West Province, for the Dr Ruth S Mompoti District Municipality (*Completed*)
 - Waste Licence Variation Application for the Existing Schweizer-Reneke Landfill Site, North West Province. Client: Dr Ruth S Mompoti District Municipality.
 - Basic Assessment for a Proposed Low Cost Housing Development on Portion 48 the Farm Brandvlei 261 IQ, in Badirile, Gauteng. Client: ADI Investments on behalf of the Gauteng Department of Housing.
 - Basic Assessment and Water Use License Application for the establishment of an Agricultural Village on a Portion of Portion 6 of the Farm Stinkwater 97JR. Client: City of Tshwane Local Municipality.
 - Basic Assessment and Water Use License Application Process for the construction of a new pedestrian bridge across the existing Henley Weir, located in Henley-on-Klip, Gauteng Province. Client: GIBB on behalf of the Midvaal Local Municipality (MLM).
 - Basic Assessment for the Proposed Extension of the Kookrus Cemetery, Meyerton, Gauteng. Client: Erascon-Udumo Joint Venture, on behalf of MLM
 - Waste License Application for the Remediation of Contaminated Land at the Transnet Sasolburg Diesel Depot, Sasolburg, Free State. Client: TFR
 - Basic Assessment Application for the proposed Noka Distribution Substation in Barkley West, Northern Cape. Client: Eskom.

- : Basic Assessment and Water Use License Application for the proposed Sicello Bulk Water Project, Meyerton, Gauteng. Client: GIBB on behalf of MLM.
- : Basic Assessment Application for the proposed Mamello Bulk Sewer Project, Vaal Marina, Gauteng. Client: GIBB on behalf of MLM
- : Environmental Management Plan for the proposed Mamello Bulk Water Project, Vaal Marina, Gauteng. GIBB on behalf of MLM.
- : Environmental Impact Assessment Report compilation on behalf of Zitholele Consulting for the proposed expansion of the existing Coal Ash Dump at the Kendal Power Station, Mpumalanga. Client: Zitholele Consulting.
- : Borrow Pit Closure Application, for Borrow Pit 1, located along the N11 between Ingogo and Newcastle. Client: Aurecon.
- : Basic Assessment and Water Use License Application for the proposed Intabazwe Distribution Substation in Harrismith, Free State. Client: Eskom.
- : Basic Assessment and Water Use License Application Process for the proposed Thabong Interchange and Road Upgrade Project, Welkom, Free State Province. Client – AECOM.
- : Basic Assessment and Water Use License Application for the proposed Sicello Bulk Sewer Project, Meyerton, Gauteng. Client – Rand Water.
- : Environmental Screening Assessment for the proposed formalization of the Gabaza Informal Settlement, Tzaneen, Limpopo. Client: The Housing Development Agency.
- : Basic Assessment Process for the decommissioning of the Atlas Substation, Three Rivers, Gauteng. Client – Eskom.
- : Basic Assessment Process for the Proposed Eskom Steve Biko 132kV Substation and Associated Loop-In and Loop-Out Lines, Hammanskraal, Gauteng. Client – Eskom Distributions, Gauteng Operating Unit.
- : Environmental Scans for the Gauteng Department of Roads and Transport to determine the suitability for land development for 25 proposed new k-route interchanges, Gauteng Province. Client - Part of the Engineering Contract undertaken by Jeffares and Green for the Gauteng Department of Roads and Transport.
- : Water Use License Applications for the Proposed Harrismith Munic-Letsatsi 11kV and the Harrismith-42nd Hill 11kV lines, Harrismith, Free State Province. Client – Eskom Distributions, Free State Operating Unit.
- : Water Use Authorisation for a proposed Sewage Package Treatment Plant and associated pipeline on Portion 7 of the Kendall Forest Holdings, Kendal, Mpumalanga. Client – Sanitech.
- : Basic Assessment for the proposed Eskom Lehating Substation, and an associated 14km 132kv Single Circuit Cichadee Line from the Klipkop Substation to the new Lehating Substation, Kimberley, Northern Cape. Client – Eskom Distributions, Free State Operating Unit.

Nemai Consulting

- 2009 - 2011**
- : Basic Assessment and Waste License Application for the proposed Rehabilitation of the Bruma Lake, situated in Bruma Johannesburg
 - : Scoping Phase and Final Scoping Report Compilation for the proposed Diepsloot Ext 8 development
 - : Scoping and EIA Process for the Dobsonville Bus Rapid Transit (BRT) Bus Depot in Meadowlands, Soweto
 - : Scoping Process for the proposed Avalon Bus Rapid Transit (BRT) Bus Depot in Protea South Soweto
 - : Scoping and EIA Process for the proposed City Bus Rapid Transit (BRT) Bus Depot in Selby, Johannesburg
 - : Basic Assessment process for upgrading and construction of new stormwater infrastructure in Orange Farm Ext 4, Stretford Node

- : Environmental Management Plan compilation for the proposed Mokolo Crocodile River (West) Water Augmentation Project (MCWAP) – De-Bottlenecking Phase
- : Scoping and EIA Process for the proposed new Anderson 400kV Substation in Broederstroom, North West Province
- : Scoping and EIA Process for the proposed new Anderson-Dinaledi 400kV Powerline between Brits and Hartbeespoort, Gauteng and North West Province
- : Final Environmental Management Plan for the Proposed Dwaalboom Switching Station, North West Province
- : EIA Report amendment and Final EIA Report compilation for the proposed Rockdale B 400kV Substation, near Middelburg, Mpumalanga Province
- : EIA Report amendment and Final EIA Report compilation for the proposed Rockdale B to Wolwekraal 400kV Powerline, Mpumalanga Province
- : EIA Report amendment and Final EIA Report compilation for the proposed Wolwekraal 400kV Substation, Limpopo Province
- : EIA Report amendment and Final EIA Report compilation for the proposed Mokopane to Wolwekraal 400kV Powerline, Limpopo Province
- : EIA Report amendment and Final EIA Report compilation for the proposed Steelpoort to Wolwekraal 400kV Powerline, Limpopo Province
- : Environmental Control Auditing for the Upgrade of Klipspruit Parks Mofolo South and Klipspruit Valley Road North Park
- : Environmental Control Auditing for the Upgrade of Klipspruit Parks Orlando Dube Park
- : Infrastructure upgrade in the area surrounding Soccer City in line with the 2010 Compliance Project
- : Integrated Environmental Management (IEM) Series Training for the Department of Water Affairs (conducted training on various components as part of a team)

Cymbian Enviro-Social Consulting Services

- 2005 - 2009**
- : EIA Exemption Applications for two Industrial Developments on two Portions of the Farm Nooitgedacht 534 JQ
 - : Water Use License Application for a Farm Portion of the Farm Nooitgedacht 534 JQ
 - : EIA Exemption Application for a Residential Development in Petervale, Sandton
 - : EIA Exemption Application for a Retail and Garden Centre Development in Wilgespruit, Johannesburg
 - : EIA Exemption Applications for two Industrial Developments on several Holdings of the Mostyn Park Agricultural Holdings, Johannesburg
 - : A Basic Environmental Assessment for an Industrial Development on a Portion of the Farm Nooitgedacht 534 JQ
 - : A Basic Environmental Assessment for the development of a public parking area in Krugersdorp
 - : Scoping Phase for a proposed Golf Estate Development in Randfontein
 - : Scoping Phase for a Residential and Commercial Development on three portions of the Farm Knoppjeslaagte, Centurion
 - : A Basic Environmental Assessment for a Hotel and Residential Development in Morningside, Johannesburg
 - : A Basic Environmental Assessment for a Proposed Spa Development in Muldersdrift Gauteng
 - : Environmental Management Plan and Waste Disposal Management Plan Compilation for a development in the Cradle of Humankind
 - : Mooi Mgeni Transfer Scheme Stakeholder Engagement Process
 - : Environmental Authorisation review and compliance auditing for Samancor Meyerton
 - : Closure Plan Compilation for the Oaks Diamond Mine Part of Report Compilation and Physical Closure Costing Planning Team

- : Closure Plan Compilation for the Voorspoed Diamond Mine in Kroonstad (Part of Report Compilation and Physical Closure Costing Planning Team)
- : Venetia Diamond Mine Venus Exploration Shaft Scoping Report and EMPR Report Compilation (Part of Report Compilation Team)
- : Environmental Impact Assessment for a proposed Substation in the Western Cape Province (Part of Report Compilation Team)
- : Feasibility Study for the Upgrade and development of new terminals at the Port of Richards Bay
- : Feasibility Study for the Upgrade of the Coal line running between the Highveld Coal Field and the Port of Richards Bay
- : Basic Environmental Assessment for the proposed construction of an additional railway line and other infrastructure at the Port of Richards Bay
- : Image enhancement of satellite imagery and creation of land use maps for the Magaliesberg
- : Digitising of Dams for DWAF
- : GIS Mapping and various desktop surveys for the entire railway line running between the Highveld coal field and the Port of Richards Bay;

PUBLISHED PAPERS

None.

LANGUAGES

English : *Excellent*
Afrikaans : *Excellent*