

CURRICULUM VITAE
JO-ANNE THOMAS

Profession : Environmental Consultant
Specialisation : Environmental Management; Strategic environmental advice;
Environmental compliance advice & monitoring; Environmental Impact Assessments; Policy, strategy & guideline formulation; Project Management; General Ecology
Years experience : Eighteen (18) years in the environmental field

KEY RESPONSIBILITIES

Provide technical input for projects in the environmental management field, specialising in Strategic Environmental Advice, Environmental Impact Assessment studies, 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; 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

Courses:

Environmental Impact Assessment, *Potchefstroom University*, 1998

Environmental Law, *Morgan University*, 2001

Professional Society Affiliations:

Professional Natural Scientist (Registration No 400024/00).

EMPLOYMENT

Current: Director of Savannah Environmental (Pty) Ltd. Independent specialist environmental consultant

October 1997-November 2005: Bohlweki Environmental (Pty) Ltd: Senior Environmental Scientist; Environmental Management and Project Management

January to July 1997: Junior Science Teacher, Sutherland High School, Pretoria

PROJECT EXPERIENCE

- Project manager for the EIA and EMP for the proposed Mokopane Integration Project, Limpopo Province (for Eskom Transmission)
- Project manager for the proposed transmission lines from the Koeberg-2 Nuclear Power Station site, Western Cape Province (for Eskom Transmission)
- Project manager for the proposed Tshwane strengthening project, Phase 1, Gauteng Province (for Eskom Transmission)
- Project manager for the EIA and EMP for the proposed Kyalami Strengthening Project, Gauteng Province (for Eskom Transmission)
- Project manager for the EIA and EMP for the proposed Steelpoort Integration Project, Limpopo Province (for Eskom Transmission)
- Project manager for the EIA and EMP for the proposed conversion of the existing Open Cycle Gas Turbine (OCGT) Ankerlig Power Station (located in Atlantis Industria) to a Combined Cycle Gas Turbine (CCGT) power station, and the associated 400 kV transmission power line between Ankerlig Power Station and the Omega Substation (for Eskom Generation)
- Project manager for the EIA and EMP for the proposed conversion of the existing Open Cycle Gas Turbine (OCGT) Gourikwa Power Station (located near Mossel Bay) to a Combined Cycle Gas Turbine (CCGT) power station, and the associated 400 kV transmission power line between Gourikwa Power Station and the Proteus Substation (for Eskom Generation)
- Project manager for the EIA and EMP for the proposed bridge across the Ngotwane River located on the border of South Africa and Botswana

- Environmental Impact Assessment for the proposed Platinum Highway from Warmbaths via Pretoria to Skilpadhek (on the South Africa-Botswana border), including obtaining all environmental permits required.
- Environmental input to the Ekurhuleni transportation corridors study
- Environmental input to the Denneboom Local Integrated Transport Plan
- Environmental Impact Assessment and Environmental Management Plan for the proposed N2 Wild Coast Toll Road between East London (Eastern Cape) and Durban (KwaZulu-Natal)
- Environmental Scoping Study and public participation process for the upgrading of Provincial Main Road 100 between the intersection with Main Road 521 and Ndwedwe
- Environmental Management Plan for repairs of portions of the N3 and N1, Gauteng
- Environmental Scoping Study and public participation process for the Kingsway Relief Road in Maseru, Lesotho
- Project manager for the undertaking of Environmental Scoping Study and compilation of an Environmental Management Plan for various 132 kV Sub-Transmission lines and substations within the Mpumalanga Province
- Project manager for the undertaking of an Environmental Scoping Study and EMP for the proposed 132 kV sub-Transmission line between the GaRankuwa and Dinaledi substations, North West Province
- Project manager for the undertaking of an EIA for the proposed 765 kV Transmission line between the existing Hydra Substation (near De Aar) and the proposed Gamma Substation (near Victoria West), Northern Cape Province
- EIA & public participation for the proposed 3rd 400 kV Transmission line between the Poseidon and Grassridge Substations in the Eastern Cape Province
- EIA & public participation for the proposed new 400 kV Transmission line between Matimba Substation (near Lephalale) and Witkop Substation (near Polokwane), Limpopo Province
- EIA & public participation for the proposed new Ikaros Substation and associated 400 kV Transmission line infrastructure, North West Province
- Environmental Impact Assessment for the proposed Petronet New Multi-Products Pipeline (NMPP) between Durban and Gauteng Province
- Exemption application for the construction of a gas pipeline between Majuba Mine and Majuba Power Station, Mpumalanga Province.
- Exemption application for the construction of an emergency water supply pipeline from Mamelodi to Ekandustria via Cullinan, Gauteng Province.
- Environmental Scoping Study for the installation of a new water supply pipeline from Centurion to Diepsloot, Gauteng Province.

CURRICULUM VITAE

Ashleigh Blackwell

Profession : Environmental Assessment Practitioner/Scientist
Specialisation : Environmental Impact Assessment, Soil Science, Conservation and Ecology
Experience : 1 year and 2 months

KEY RESPONSIBILITIES

- Providing consulting services to clients for Environmental-related matters
- Conducting Environmental Impact Assessment (EIA) processes
- Preparation of EIA reports and review
- Compilation and review of Environmental Management Plans
- Data Capture, research and review
- Execution of professional consulting services for a variety of projects
- Ad-Hoc GIS mapping
- Permitting reporting
- Public consultation and Public Participation

CORE COMPETENCIES

- Compilation of environmental reports in accordance with relevant environmental legislative requirements
- Undertaking public participation processes for a variety for 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 measures and the development of appropriate management plans
- Compilation of Soil and Agricultural Potential Specialist Studies
- Consideration of all Ecological and Conservation principles in report compilation

SKILL BASE

- Report Writing, drafting proposals and tenders;
- Negotiating skill and Problem solving;
- GIS Mapping in ArcGIS
- Ability to work independently and in a team;
- Verbal, written and good presentation skills;
- Time management and workload management;

- Facilitation skills; and
- Organizational, planning and analytic skills.
- Land and soil classification and Assessment
- Application of Ecological and Conservation principles to reports undertaken

EDUCATION AND PROFESSIONAL STATUS

Degrees:

- *B.S.c (Hons) Conservation Ecology and Entomology – Stellenbosch University, 2015*
- *LLB Law – UNISA, 2017*

EMPLOYMENT HISTORY

- Current Employment – Savannah Environmental (Pty) Ltd

PROJECT EXPERIENCE

Applications and Permitting

- Applications, Proposals and Tenders
- Various BAR and EIA Applications for various projects
- Section 53 Application for the Suurplaat Wind Energy Facility, Northern and Western Cape
- Section 53 Application for the Tshivhaso Coal-Fired Power Station, Limpopo
- Section 53 Application Thabametsi Coal water pipeline, Limpopo
- Section 24G Ramification Application for Hossam Soror
- Many different Part 1 and 2 EIA Amendment Applications
- DAFF and CapeNature Fauna and Flora Permitting

Water-Use Licensing

- •Review of a Water Use Licence for the Orlando Ekhaya Waterfront Development
- •IWWULA and Section 27 motivation for the Olifantshoek Substation and Powerline

Impact Assessment Reporting

- Basic Assessment Report for the Skuitdrift Solar Energy Facility project (Scuitdrift Solar Project (Pty) Ltd)
- Basic Assessment Report for the Olifantshoek Substation and Powerline project (Eskom Holdings SOC)
- Basic Assessment for Identified watercourse crossings within the authorised Klawer Wind Energy Facility (Vendiwell (Pty) Ltd.)
- Basic Assessment for Waste Management Licensing for 3 pre-processing Depot (REDISA PPC)
- Basic Assessment for the Lehae Training Academy and Fires Station Project (The Johannesburg Development Agency)

Soil and Agriculture Reporting

- Review and Update of the Orkney Solar Facility Soil and Agricultural Report
- Compilation of the Palese Soil and Agricultural Scoping Report
- Compilation of the Richards Bay Gas to Power Soil and Agricultural Screening Study

Development of Environmental Management Programme's

- OEMPr for Konkoonies 10MW Solar Facility (BioTherm Energy)
- OEMPr for Aries 10MW Solar Facility (BioTherm Energy)
- EMPr for the Skuitdrift Solar Energy Facility project (Scuitdrift Solar Project (Pty) Ltd)
- EMPr for the Olifantshoek Substation and Powerline project (Eskom Holdings SOC)
- EMPr for the watercourse crossings and road upgrades to the authorized Klaver Wind Energy Facility (Vendiwell (Pty) Ltd.)
- Three separate EMP Reports for the REDISA Waste type depots in Cato Ridge, Uppington and Nelspruit (REDISA PPC)
- EMPr for the Lehae Training Academy and Fire Station Project (The Johannesburg Development Agency)

GIS Mapping using ArcGIS

- GIS Mapping for each tender proposal submitted (approximately 10 Tender Proposals submitted)
- GIS Mapping for the Section 53 Application for the Suurplaat Wind Energy FacilityGIS Mapping for the Section 53 Application for the Tshivhaso Coal-Fired Power Station
- GIS Mapping for the Hopetown 75MW PV facility
- GIS Mapping for the Richards Bay Gas to Power Facility
- GIS Mapping for the Skuitdrift Solar Project
- GIS Mapping for the Olifantshoek Substation and Powerline project (Eskom Holdings SOC)
- GIS Mapping for the watercourse crossings and road upgrades to the authorized Klaver Wind Energy Facility (Vendiwell (Pty) Ltd.)
- GIS Mapping for the Cato Ridge REDISA Waste type depot (REDISA PPC)
- GIS Mapping for the Orkney Solar Facility Soil and Agricultural Report
- GIS Mapping for the Palese Soil and Agricultural Scoping Report
- GIS Mapping for the Richards Bay Gas to Power Soil and Agricultural Screening Study

Public Participation Involvement

Ashleigh was selected as the preferred person appointed to undertake the Public Participation, second to the full time employed Public Participation Manager. Ashleigh has been fully trained on the specific Public Participation Programs and acted as the "stand-in" Public Participation Manager. During this time, Ashleigh was actively involved in a number of projects and public participation roles. Prior to this, Ashleigh has undertaken public participation for a number of her successful projects at Savannah Environmental

Workshop and Training

Ashleigh was chosen to attend the Department of Water Affairs GA 509 Section (c) and (i) water uses Workshop held on the 15 November 2016 at the Roodeplaat Training centre in Pretoria

CURRICULUM VITAE

GABRIELE WOOD

Profession : Public Participation and Social Consultant
Specialisation : Public Participation Process Implementation
Years experience : 10 years

KEY RESPONSIBILITIES

Specific responsibilities as a Public Participation and Social Consultant include professional execution of public participation consulting for a variety of projects. This includes managing and coordinating public participation processes for Environmental Impact Assessments (EIA).

SKILLS BASE AND CORE COMPETENCIES

- Public Participation, Stakeholder Engagement and Stakeholder Management
- Environmental Impact Assessment (Social Processes)
- Public Speaking and Presentation Skills
- Facilitation (workshops, focus group meetings, public meetings, public open days, committees)
- Social Research (Qualitative and Quantitative)
- Social Assessments (Stakeholder Analysis / Stakeholder Mapping)
- Survey Design and Sampling
- Monitoring and Evaluation
- Community Needs Assessments
- Environmental and Social Policy
- IFC Performance Standards
- Equator Principles
- Report Writing and Quality Control

EDUCATION AND PROFESSIONAL STATUS

Degrees:

- B. Hons. Anthropology (Cum Laude): University of Johannesburg (2004 – 2005)
- B.A. Psychology: University of Johannesburg (2002 – 2004)

Courses:

- International Association for Public Participation (IAP2) Certificate in Techniques for Effective Public Participation (2015)
- International Association for Public Participation (IAP2) Certificate in Foundations of Public Participation (Planning and Communication for Effective Public Participation) (2015)
- South African Advertising Research Foundation (SAARF) living Standards Measure (LSM) Training (2010).
- Certificate in Focus Group Moderation Skills, Market Research for Africa (2007)
- Prestige Diploma in Public Relations: Allenby Campus Boksburg now Damlin College (2001)

EMPLOYMENT

May 2012 – Current: Savannah Environmental (Pty) Ltd: Public Participation and Social Consultant

March 2007 – April 2012: NMA Effective Social Strategists (Pty) Ltd: Assistant Project Manager: Public Participation and Social Research

January 2005 – March 2007 (Part-time): University of Johannesburg: Department of Anthropology and Development Studies: Student Tutor and Research Assistant

PROJECT EXPERIENCE

COAL FIRED POWER STATIONS:

- Thabametsi Coal Fired Power Station – EIA & CCIA (for Thabametsi Power Company)
- Transalloys Coal Fired Power Station – EIA (for Transalloys)
- Umbani Coal Fired Power Station – EIA (for ISS Global Mining)
- Tshivhaso Coal Fired Power Station – EIA (for Cennergi)
- H2 Energy Power Station – EIA (for H2 Clean Energy)

INTEGRATED WASTE WATER MANAGEMENT PLANS AND WATER USE LICENSE APPLICATIONS:

- IPP Thabametsi Coal Fired Power Station – IWWMP AND WULA (for Thabametsi Power Company)
- Yzermyn Coal Mine - IWWMP AND WULA (for Atha Africa Group)

GRID INFRASTRUCTURE CONNECTIONS AND SUBSTATIONS:

- Cuprum-Burchell and Burchell to Mooidraai – BA (for Eskom)
- Blackwood Power Line and Substation – BA (for VentuSA Energy)
- Iziduli Power Line and Substation – BA (for Windlab)
- 132kV Power Line for the authorised Excelsior Wind Farm (for Amstillinx)
- Saldanha Bay Network Strengthening project – EIA (for Eskom)
- Olifantshoek Substation and Power Line – BA (for Eskom)

RENEWABLE ENERGY PROJECTS:

- Garob Wind Energy Facility – EIA (for juwi Renewable Energy)
- Tatuka PV Solar Energy Facility – EIA (for Eskom)
- Majuba PV Solar Energy Facility – EIA (for Eskom)
- Lethabo PV Solar Energy Facility – EIA (for Eskom)
- Karreebosch Wind Energy Facility – EIA (for G7 Energies)
- SolarReserve Kotulo Tsatsi Energy CSP Facilities – EIA (for SolarReserve & Kotulo Tsatsi Energy)
- Buffels Solar 1 & 2 Energy Facilities – EIA (for Kabi Solar)
- Woodhouse Solar 1 & 2 Energy Facilities – EIA (Genesis Eco Energy Developers)
- Gunstfontein Wind Energy Facility – EIA (for Gunstfontein Wind Farm)
- Ilanga CSP 7, 8 and 9 Solar Facilities – EIA (for Emvelo Eco Projects)
- Sol Invictus 1 – 4 PV Solar Energy Facilities – EIA (for Cyracraft)
- 150MW Noupoort Concentrated Solar Power (CSP) Project – EIA (for CRESCO Energy)
- Hartebeest Wind Farm – EIA (for juwi Renewable Energy)

CURRICULUM VITAE

Lisa Opperman

Profession : Environmental and GIS Consultant at Savannah Environmental
Specialisation : Environmental Management and Geographical Information Systems (GIS)
Years experience : 2 Years

KEY RESPONSIBILITIES

- Execution of professional consulting services for a variety of projects
- Environmental Impact Assessment reporting
- GIS mapping
- Permitting reporting
- Public consultation
- Development of project proposals for procuring new work or projects

SKILLS BASE AND CORE COMPETENCIES

- GIS Mapping
- EIA Report Writing
- Conducting of public involvement processes.
- Administrative tasks
- Analysis and manipulation of geographical information and technical experience with the use of ArcGIS.

EDUCATION AND PROFESSIONAL STATUS

Degrees:

B.Sc. (Hons) Environmental Management (2014), North-West University, Potchefstroom.

B.A Psychology, Geography and Environmental Studies (2013), North-West University, Potchefstroom

Professional Society Affiliations:

IAIASa (Membership number: 3719)

EMPLOYMENT

16 February 2015 – Current:

Savannah Environmental (Pty) Ltd: Environmental Assessment Practitioner and GIS consultant

PROJECT EXPERIENCE

Environmental Impacts Assessments

- Basic Assessment Reports for Harmony Gold 3x PV Facilities, Welkom (BBEntropie).
- Environmental Impact Assessment Reports for Buffels PV 1 & Buffels PV 2, near Orkney (Kabi Solar).
- Environmental Impact Assessment Reports for Woodhouse Solar 1 & Woodhouse Solar 2 PV Facilities, near Vryburg (Genesis Eco-Energy Developments).
- Environmental Impact Assessment Report for the Orkney Solar Farm (Genesis Eco-Energy Developments).
- Environmental Impact Assessment Report for the Metals Industrial Cluster near Kuruman (Northern Cape Department of Economic Development and Tourism).
- Environmental Management Programme for the Nxuba Wind Farm (ACED).
- Finalisation of the Final EIA Reports for the Tewa Isitha Solar 1 and Tewa Isitha Solar 2 PV facilities near Upington (AfriCoast Energy).
- Lamberts Bay Wind Farm Screening Assessment Report (Windy World).
- Juno Wind Farm Screening Assessment Report (AMDA)
- Basic Assessment Reports for the Neopak CHP Plant and Water Treatment Plant, Rosslyn (Neopak)
- Screening, Scoping and EIA Reports for the Richards Bay Combined Cycle Gas Turbine (CCGT) power plant, near Richards Bay (Eskom)

GIS Mapping (ArcGIS 10.2)

- The Woodhouse Solar 1 & Woodhouse Solar 2 PV Facilities, near Vryburg, North West Province.
- The Orkney Solar Farm, North West Province.
- The Gunstfontein Wind Energy Facility, Northern Cape Province.
- The proposed Komsberg substation Expansion, Northern Cape.
- The proposed Soetwater switching station, 132kV double circuit overhead power line and ancillaries near Sutherland, Northern Cape.
- The Ilanga 7 and 9 facilities as well as associated infrastructure within the Karoshoek Solar Valley Development, Northern Cape.
- The construction of the Soetwater facility substation complex and ancillaries near Sutherland, Northern Cape.
- The Camco PV, Gauteng Province.
- The Sol Invictus Solar PV Development near Aggeneys, Northern Cape.
- The 132kV power line associated with the Perdekraal Wind Farm, Western Cape Province.
- The 132kV power line and substation associated with the Golden Valley Wind Farm, Eastern Cape Province.
- The Acciona Nxuba temporary concrete tower plant, Eastern Cape.
- The Bon Espirange substation and 132kV overhead power line for the authorised Roggeveld Wind Farm.
- The Gunstfontein switching station and 132kV overhead power line for the proposed Gunstfontein Wind Farm near Sutherland, Northern Cape Province.

- The Skuitdrift Solar Energy Facility, Northern Cape Province.
- The Buffels Solar 1 and Buffels Solar 2 PV Facilities, North West Province.
- The Suurplaat Wind Energy Facility, Northern Cape Province.
- The Paulputs CSP Project, Northern Cape Province.
- The Doornkop Wastewater Treatment Works, Gauteng Province.
- The proposed Ilanga Tower 1 Project within the Karoshoek Solar Valley Park, Northern Cape.
- The proposed Ilanga CSP 2 Project within the Karoshoek Solar Valley Park, Northern Cape.
- The proposed Ilanga CSP 3 Project within the Karoshoek Solar Valley Park, Northern Cape.
- The proposed Ilanga CSP 4 Project within the Karoshoek Solar Valley Park, Northern Cape.
- The proposed Ilanga CSP 5 Project within the Karoshoek Solar Valley Park, Northern Cape.
- The Saldanha Bay Network Strengthening, Western Cape Province.
- The Nxuba Wind Farm Facility, Eastern Cape.
- The proposed construction of the Eskom Karusa Switching Station, 132kV Double Circuit Overhead Power Line and Ancillaries near Sutherland, Northern Cape.
- The Kuruman Industrial Cluster near Kuruman, Northern Cape Province.
- Aggeneys Solar Energy Facility near Aggeneys, Northern Cape Province.
- The proposed construction of a 132kV Overhead Power Line and Switchyard Station for the authorised Solis Power I CSP Project near Upington, Northern Cape Province.
- The Lamberts Bay Wind Farm, Western Cape.
- The Lethabo Solar Energy Facility, Free State Province.
- The Majuba Solar Energy Facility, Mpumalanga.
- The Tutuka Solar Energy Facility, Mpumalanga.
- The Juno Wind Farm, Western Cape.