

# Environmental Management Assistance PTY LTD

## Taryn, Bigwood

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**Name:** Taryn Bigwood  
**Profession:** Environmental and compliance Consultant  
**Date of Birth:** 17 December 1977  
**Parent Firm:** Environmental Management Assistance PTY LTD  
**Position in Firm:** Senior Environmental Scientist and Director  
**Years with Firm:** 4 years  
**Nationality:** South African  
**BI & Male/Female Status:** White Female  
**Education:** Process of doing a PhD Environmental Management, Unisa, 2017  
 Masters Geography, 2011  
 Hons Soc Sci Geography  
 B Soc Sci Environmental Man and Geography  
 Diploma in Game Ranging  
**Professional Accreditation:** LaRSSA (Landscape and Rehabilitation Society of South Africa Professional Associate: 0633)  
 SAAG (South African Association of Geographers, Member)  
 IAIAAs (International Association of Impact Assessors SA, member and committee member for Mpumalanga branch)  
 SACNASP (registered as a professional environmental scientist:116865 )  
**Languages:** English

| Other Languages | Speaking  | Reading   | Writing   |
|-----------------|-----------|-----------|-----------|
| Afrikaans       | Excellent | Excellent | Excellent |

**Countries of Work Experience:** South Africa

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### **KEY QUALIFICATIONS**

Taryn is at Present undertaking her PHD in Environmental Management with the topic crosscutting environmental management and civil engineering, she has a Research Masters in Geography specializing in Geomorphology from the University of Pretoria, combined with 15 years of experience in conservation, scientific services, ecological reporting, Renewable energy (Solar and Wind), Environmental Compliance (Grade 2 Environmental Management Inspector), Environmental licensing, Environmental auditing and water resource development. Taryn was trained to be an EMI in Cape town in 2011 and was designated by the minister as a grade 2 EMI as the environmental manager of the iSimangaliso Wetland Park Authority. After being designated, Taryn was involved with many environmental crimes, undertaking administrative justice (writing pre-compliance notices and compliance notices), investigations and inspections in the park authority, she was also involved with the National team of EMIs at times where she represented the authority at cop 17 organisation committee, working group 2,3 and 4 meetings, (which sets objectives for compliance, environmental and estuaries to be presented to the minister at MIMEC and MTECH). Her extended experience results in a wide-range of environmentally related projects, processes and applications for private, commercial and industrial clients, in addition to provincial and national government departments as Environmental Manager, Director, Environmental Consultant, Soil Erosion specialist, Compliance Manager, Environmental Management, EMI, Chief Research Technician, Acting Ecologist, Geomorphology Lecturer, Assistant Cartographer, and Field Guide.

- Integrated Environmental Management (IEM) in general and for conservation areas

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- Basic and Environmental Impact Assessments (BAR and EIA's)
  - Environmental and Erosion or Soil Management Plans/ Programs (EMPr's, ErMP)
  - Implementation of Environmental Management Systems (EMS)
  - Rehabilitation, Rehabilitation Closure and Liability Plans and Programs, including financial (RP)
  - Environmental training of ECOs and EOs, Monitoring and Auditing
  - Elephant and conservation Management Plans (EIMP and EMP)
  - Water Use Licensing (WULA)
  - Waste Management Plans and licencing (WMP and WL)
  - Compliance and Enforcement
  - Veld, Evaluations, burning plans, game sensors
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### **RELEVANT EXPERIENCE**

#### **DIRECTOR ENVIRONMENTAL CONSULTANT AND COMPLIANCE , VARIOUS, VALUE RANGE BETWEEN (1 Million and 4.5 Billion Rand)**

##### **ENVIRONMENTAL MANAGEMENT ASSISTANCE (PTY) LTD, 2014 - Present,**

Function is to Manage EMA (admin, budgets, quotes, proposals, tenders, project management and bids) and to operate as a consultant on various projects as the Environmental Manager, consultant, monitor, auditor, trainer or advisor) and implementing all environmental legislation, through cradle to grave operations, planning, implementing and closure. Projects worked on in the mining sector : BRC minerals and Sasol Mining, renewable energy: ilanga Solar, Karos Solar, Njoli Wind Farm, Waste: On Site Oil, Water projects Olifants River Water Resource Development Project (phase C, D, E and F) for Aurecon and Ndongana JV). ORWRDP Taryn was involved but not limited to writing BAR's EMP's, Commissioning, monitoring, rehabilitation planning, construction planning, specifications updates and implementation, auditing and training.

#### **CONSULTANT AND COMPLIANCE AND SOIL SPECIALIST, VARIOUS, CLIENT,2013 - 2014, VALUE = Ranged between 10 Million and 4 Billion**

My responsibilities and duties included but not limited to, writing and managing basic assessments and EIAs, writing EMPs for construction and Soil Erosion Management Plans, Compliance management, supervising and training all ECO's and EO's and Bird and Bat monitoring (worked on 12 projects at Savannah which were related to Eskom, renewable energy and Mining)

#### **ENVIRONMENTAL MANAGEMENT OFFICER, VARIOUS, ISIMANGALISO WETLAND PARKS AUTHORITY, 2010 - 2013, VALUE = N/A**

My main functions were to ensure Environmental Compliance across the 500 000ha world heritage site. The main roles were to ensure compliance through implementing and developing a waste management system, implementing an environmental auditing system for all facilities in the park and auditing them, developing demolished plans and rehabilitation plans to remove illegal developments from the park, environmental compliance auditing on all developments being built in the park, drafting scoping reports for new developments, Beach, bush and forest audits, reporting back to working group 2 and 4 at DEA (which is the information filtered to the ministerial committee) writing and issuing pre compliance and compliance notices as an EMI, undertaking environmental crime investigations and reviewing and commenting on EIAs.

#### **CHIEF RESEARCH TECHNICIAN AND ACTING ECOLOGIST, VARIOUS, EZEMVELO KZN WILDLIFE, 2009 - 2010, VALUE = N/A**

My main function was to conduct all ecological work on Tembe Elephant Park, Ndumo Game Reserve, Silesa nature reserve, Pongola Nature Reserve, Vreyhuid hill nature Reserve, Pongola Bush Reserve, Thlatikhulu Nature Reserve and Ithala Game Reserve. This included game count senses and reports, vegetation assessments and reports, assisting in drafting management plans for large game

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and protected species, alien plants management planning, burning program development, running rhino databases, managing masters and doctorate students research, contributing information to the provinces C plan and commenting on any Environmental Impact Assessments or Stewardship programs in Northern Zululand

### PROJECTS

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#### **OLIPHANT'S RIVER WATER RESOURCE DEVELOPMENT PROJECT PHASE 2C,D,E AND F (TCTA) FOR WATER AFFAIRS CONTRACTED TO AURECON VALUE R4.5 BILLION**

- Environmental Monitoring Team Leader
- Managing and planning rehabilitation
- Rehabilitation coordination and planning Advising construction on best practice
- Assist in planning and development on site to ensure environmental compliance
- Environmental compliance training
- Issuing the contractor all the site instructions related to environment.
- Managing a team of Environmental monitors
- Ensuring the Environmental Officer team are undertaking their roles adequately in accordance with the relevant authorisations, permits, EMP and method statement
- Environmental auditing
- Assisted in developing and implementation of the environmental and Health and Safety Campaign
- Assisted the contractor in developing an environmental exam for all staff to improve compliance with the EMP, method statement and specification.
- Coordinated compliance with the shutdown plan over December
- Undertook non-compliance investigations of major Environmental non-compliance.
- Reviewing and Approval of Method statements
- Advise the Senior Resident Engineer on compliance matters
- Review weekly compliance reports and issue them to the contractor
- Review application of permitting for plants etc.
- Writing reports and letters on behalf of the project to the contractor to improve compliance.
- Writing reports for the client to understand the environmental compliance on site
- Leasing with the client and keeping them informed of all environmental compliance related information on site
- Contributing a section in the CRE report on Environmental compliance with the specification, EMP and the authorisation
- Writing EMP for operation and operation manuals
- Assisting with writing the remainder of the Operation and maintenance manual
- Assisted in writing the training manual
- Assisted with drafting a fine system for the specification and reviewing the specification
- Application of FIDIC
- Coordinated and managed the onsite environmental team and matters
- Reviewing and assisting with Licensing the project
- Drafting Basic Assessments and EMPs and reviewing

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### **BCR MINERALS (PTY) LTD (SPITSVALE PROJECT) VALUE: NOT SURE OUR COMPONENT WAS R3.5 MILLION: INTEGRATED WULA, WML, AND SCOPING & EIA (SEPTEMBER 2015 TO PRESENT) –**

- Scoping & EIA mining right application process as well as managing the integrated application process for a WULA (Water Use Licence Application) and WML (Waste Management Licence).

### **VESTAS: VALUE: R1 BILLION: EA AND WUL AMENDMENT (OCTOBER 2015 TO JANUARY 2016) – NOJOLI WIND FARM (RF) (PTY) LTD (CLIENT: VESTAS SOUTH AFRICA (PTY) LTD)**

- Manage the EA and WUL amendment process on behalf of Vestas South Africa (Pty) Ltd for the Nojoli Wind Farm (RF) (Pty) Ltd project.
- Monthly site audits (October 2015 to December 2016) - Nojoli Wind Farm (RF) (Pty) Ltd (client: Vestas South Africa (Pty) Ltd)
- Compiling a monthly site audit report on behalf of Vestas

### **GVK: VALUE: AUDITOR R60 MILLION -R100 MILLION**

- Audited 4 of their projects for legal compliance

### **OTHER RENEWABLE WIND AND SOLAR ENERGY PROJECTS VALUE: ALL OVER R1BILLION: TRAINED AND MANAGED ECO, EIA, EMPS, AUDITS, EROSION SPECIALIST**

- SARGE Nobelsfontein Karoo Renewables project
- Ventusa Zen Wind Energy Facility
- Ventusa Sishen Solar Energy Facility
- Ventusa Gouda wind Energy Facility
- ACED Cookhouse WEF (Wind Energy Facility)
- Cennergy Tsitsikamma WEFs
- Cennergy Amakhala Emoyeni RE Project 1 WEFs
- Moyeng Energy West Coast One WEFs
- Biotherm Energy Golden Valley
- Abengoa Solar Pofadder and Upington CSP (Celestial Solar Power plant), Northern Cape
- Mainstream Renewable Energy Developers Loeriesfontein

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### **SUMMARY OF OTHER EXPERIENCE**

2008 (Jan-December) : University of Pretoria – Lecturer and Assistant Cartographer

2001 - 2003 : Al Maha Desert Resort Dubai – Field Guide

1998 - 2001 : Wallers Camp, Karogwe conservancy, Tanda Tula Game Lodge – Game Ranger, Assistant Researcher and Hospitality Manager

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### **DECLARATION**

I confirm that the above information contained in the CV is an accurate description of my experience and qualifications and that, at the time of signature, I am available and willing to serve in the position indicated for me in the Proposal for Consulting Services for the project listed in the proposal, for the durations and the locations indicated therein.

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Signature of Staff Member

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23/08/2017  
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Date