



DIGBY WELLS
ENVIRONMENTAL

Appendix A: Qualifications of EAP



STEPHANIE AKEN

Mrs. Stephanie Aken (*EAPSA Registered*)

Senior Environmental Consultant

Digby Wells Environmental

EDUCATION

BSc Zoology and Entomology, Rhodes University, 2003

BSc Hons, Rhodes University, 2004

Post-grad diploma in Environmental Science, Wits University, 2014

EMPLOYMENT

2007 - 2010: Mills and Otten Consultants; Environmental Consultant.

2011 - 2012: Digby Wells Environmental; Environmental Consultant.

2012 – 2013: Digby Wells Environmental; Environmental Management Services Unit Manager.

2013 – 2014: Endangered Wildlife Trust; Wildlife and Energy Programme Manager.

2014 - Current: Digby Wells Environmental; Senior Environmental Consultant.

EXPERIENCE

I have eight years' experience as an Environmental Consultant and have participated in various projects for different commodities. My involvement has ranged from project manager to undertaking various specialist studies, including public consultation, from initiation to the final authorisation of projects. I have experience on both IFC and World Bank projects as well as dealing with local legislation in South Africa and African countries.

Currently I am in the Environmental Management Services department at Digby Wells Environmental which handles various environmental licencing and permitting processes in the Mining and Energy sector, which are undertaken concurrently for the life of the projects. These processes include Mining Rights, Waste and Water licences as well as ESIA authorisations.

I was also seconded to Xstrata Coal for 12 months to assist the Environmental Manager in the legal permitting and auditing processes as well as managing the consultants on their greenfield projects.

RELEVANT DIGBY WELLS PROJECT INVOLVEMENT:

- URANEX Ltd: IFC Scoping Study for the Likuyu North Uranium Project, Tanzania.
- URANEX: Rapid Assessment and Phase 1, Nachu Graphite Mine, Tanzania
- Total Coal: Legal Compliance Audit for the Dorstfontein sites, Mpumalanga.
- Total Coal: Legal Compliance Audit for the Forzando sites, Mpumalanga.
- Total Coal: Legal Compliance Audit for the Tumelo and Springbok sites, Mpumalanga.
- Behre Dolbear: Grupo Mexico Sites Due Diligence Assessments, Mexico.
- Anglo American Thermal Coal: Proposed Dalyshope ESIA and IWULA Phase 1 Coal Mine in the Waterberg, Limpopo Province.
- Randgold Resources Limited: Pre-feasibility & Environmental and Social Impact Assessment (under IFC) for the Sesenge Hydro-power Station, DRC.
- Randgold Resources Limited: Pre-feasibility & Environmental and Social Impact Assessment (under IFC) for two new hydropower sites to supply the Kibali Gold Mine in the DRC.
- Lanxess, Rustenburg Chrome Mine: Section 102 amendment and update of specialist studies.
- Msobo Coal: Section 102 EMPr amendment for Spitzkop Colliery.
- HCI Coal: EMPr Consolidation for Palesa Colliery.
- Ixia Coal/Sasol Mining: EIA, IWULA and Waste Mangement Licence for the proposed Imvula Coal Mine.
- Anker Coal (Nomane Resources) Baseline Studies, Rehabilitation and Closure Plans and IWULA for Elandsfontein and Golfview sites.
- Xstrata South Africa: Scoping, Environmental Impact Assessment, Environmental Management Programme and iWULA in support of a Mining Right Licence for the proposed Zandbaken Coal Mine, Mpumalanga Province, South Africa.
- Glencore (Xstrata South Africa): Tavistock Consolidated Environmental Management Programme.
- Xstrata South Africa: Updating of the Environmental Management Plan for iMpunzi/ATCOM East , Mpumalanga.
- Xstrata South Africa: Environmental Secondment to Greenfields Projects for Environmental Licencing.
- Universal Coal (Pty) Ltd: Basic Assessment and Waste Management Licence for the Kangala Coal Mine, Mpumalanga Province, South Africa.
- Universal Coal (Pty) Ltd: Scoping, Environmental Impact Assessment, Environmental Management Programme and Waste Licence Application for the Roodekop Coal Mine, Mpumalanga Province, South Africa.
- Universal Coal (Pty) Ltd: Mining Rights Application and Bank Feasibility Study for the Roodekop Coal Mine, Mpumalanga Province, South Africa.
- Universal Coal (Pty) Ltd: Scoping, Environmental Impact Assessment and Environmental Management Programme for the Brakfontein Coal Mine, Mpumalanga Province, South Africa.
- Universal Coal (Pty) Ltd: Mining Rights Application for the Brakfontein Coal Mine, Mpumalanga Province, South Africa.
- Galaxy Gold: Updating of the Environmental Management Plan for the Galaxy Gold Mine, Barberton.
- Galaxy Gold: Basic Assessment for the TSF expansion at the Galaxy Gold Mine, Barberton.
- Northern Coal: Updating of the Environmental Management Plan for the Mimosa Coal Mine, Mpumalanga.
- HCI Khusela Coal (Pty) Ltd: Environmental Impact Assessment and the Environmental Management Programme for the Palesa Extension Colliery, Mpumalanga Province, South Africa.
- HCI Khusela Coal (Pty) Ltd: Updated EMPR and Performance Assessment for Palesa Colliery, Mpumalanga Province, South Africa.
- Real FMG Property: Due Diligence Assessment for Roche, Johannesburg.



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ENVIRONMENTAL

GRANT BERINGER

Mr. Grant Beringer

Principal Environmental Consultant and Project Management Coordinator

Corporate Department

Digby Wells Environmental

1 EDUCATION

2004 - 2006: MSc in Environmental Management – University of Johannesburg (UJ)

2002 – 2003: BSc Hons. Geography and Environmental Management – Rand Afrikaans University (RAU)

2000 – 2002: BSc Earth Sciences, Majoring in Geography & Environmental Management and Geology (RAU)

2 EMPLOYMENT

Nov 2010 – Present: Digby Wells Environmental, as a Principal Environmental Consultant and Project Co-ordinator

Nov 2008 – Nov 2010: Digby Wells and Associates, as Manager of the Biophysical Department.

March 2007 – Nov 2008: Digby Wells and Associates, as Unit Manager.

Oct 2003 – March 2007: Digby Wells and Associates, as an Environmental Scientist.

3 EXPERIENCE

Whilst at Digby Wells I have been extensively involved in the management of the Environmental Impact Assessment (EIA) process as well as with the compilation of Environmental Management Plans (EMP). I have also compiled numerous Prospecting Right Applications, Liability Assessments and Water Use Licenses. In addition I have experience in conducting due diligence investigations throughout Africa; closure costs assessments and EMP compliance auditing. This has included work in Botswana, Namibia, Zambia, The Democratic Republic of Congo (DRC), Zimbabwe, Guinea and South Africa. The projects I have worked on have covered various minerals, including gold, silver, copper, cobalt, nickel, and coal.

Special areas of interest include Project Management, Closure Liability Assessments and Closure Cost Estimations.

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Directors: AR Wilke, CD Wells, LF Koeslag, PD Tanner (British)*, AJ Reynolds (Chairman) (British)*, GE Trusler (C.E.O)
*Non-Executive

4 PROJECT EXPERIENCE

Harmony Gold Closure Cost Assessment (Project Manager): Completed the closure cost assessment for all Harmony Gold's Operations (for the last 4 years).

Harmony Gold Closure Cost Rate updates (Project Manager): Harmony Gold's rates were updated through investigation into the various industries related to mine closure and rehabilitation.

Sasol Mining Rate update (Project Manager): Sasol's rates for mine closure were reviewed and updated to ensure they were accurate.

Sasol Mining Closure Model review and Update (Project Manager): Sasol's closure cost estimation model was updated to provide ease of use and to make certain that all liabilities were accounted for. The model was also updated to provide summary sheets and allow for cross referencing.

National Manganese Mines (Project Manager): A liability assessment for National Manganese's Morokwa Mine in the Northern Cape was completed. The assessment was conducted to evaluate the current closure methods, provide recommendations for closure and update methodologies adopted by the mine.

Richards Bay Coal Terminal: Completed the liability and closure cost assessment for Richards Bay Coal Terminal.

Closure and Rehabilitation Assessments for prospecting: Numerous prospecting closure and rehabilitation costs have been calculated for operations throughout Southern Africa. The relevant guidelines and standards were used to calculate these costs accurately.

Foskor Zirconia EIA/EMP authorisation (Project Manager): Completion of the EIA and EMP for Foskor Zirconia under the NEMA regulations.

ERGO Mining (Pty) Ltd – Benoni and Elsburg Dump Reclamation Projects (Project Manager): The completion of the EIA/EMPs for the two areas under the MPRDA regulations. The project involved managing the Public Participation Process, Project Meetings and resource allocation and management.

DRD Gold – The overall project management of all DRD Golds reclamation projects. This includes the closure liability assessments.

Xstrata Alloys – Completion of the rehabilitation plan for the proposed Lesedi Power Plant in Mpumalanga.

Randgold Resources – Kibali Gold Project in the DRC. Managed the Environmental studies for the project and currently overseeing the general management of the project which includes the resettlement of people.

A number of due diligences have been completed locally and in Africa, Zambia (2) and Namibia.