



# DIGBY WELLS

## ENVIRONMENTAL

Ms Barbara Wessels

Unit Manager: Project Management

Environmental Legal Services

Digby Wells Environmental

## 1 Education

Course completed:

- University of Johannesburg: BSc. Geography and Environmental Management, 2005
- African Reptiles and Venom: Venomous Snake Handling, 2014
- African Reptiles and Venom: Snake identification and Snakebite Treatment, 2014
- Dr Phil Tanner: Land Rehabilitation Seminar, 2014
- North West University: Basic Principles of Ecological Rehabilitation and Mine, 2012
- Dr Phil Tanner: Risk Assessment Facilitator, 2012
- Dr Phil Tanner: Discard Dump Rehabilitation, 2011
- African Land-Use Training: Introduction to Geology, 2010
- Executrain: Microsoft Excel, 2012
- Gauteng Wetland Forum: The Threats and Impacts posed on Wetlands by Infrastructure and Development – Mitigation and Rehabilitation thereof, 2009
- Rhodes University: Unilever Introduction to Managing Environmental Water Quality – Theory and Policy, 2008
- Rhodes University: Unilever Introduction to Managing Environmental Water Quality – Practical Course, 2008

## 2 Language Skills

English and Afrikaans

## 3 Employment

2006 to 2007: Digby Wells and Associates - Student

2007 to 2013: Digby Wells and Associates - Environmental Consultant

2013 to 2014: Ivanplats – Legal Compliance Officer

2015 to present: Digby Wells and Associated – Environmental Consultant

## 4 Experience

I completed a BSc (Geography and Environmental Management) degree in 2005 and have been working as an environmental consultant since 2006 with the main focus on the mining industry. I have good knowledge of the relevant environmental legislation and associated processes. During my career I have compiled numerous Environmental Impact Assessment and Environmental Management Programme (EMP) reports and managed the associated multi-disciplinary processes. Other environmental related projects I have been involved with include due diligence, EMP auditing, closure cost assessments, water use licensing, waste management, aquatic assessments and biomonitoring as well as the compilation of rehabilitation plans. I have worked in various African countries and was seconded to Anglo Platinum (Rustenburg), AngloGold Ashanti Iduapriem Mine (Ghana) providing assistance to the Environmental Manager and Randgold Resources Loulo Gold Mine as acting Environmental Superintendent.

## 5 Project Experience

As environmental consultant I assist in various portions of a project as required. Experience gained at Digby Wells is listed below.

- Six week secondment as acting Environmental Superintendent of Randgold Resources Loulo Gold Mine (Mali).
- Three month secondment to the Environmental Department of AngloGold Ashanti Iduapriem Limited (Ghana).
- Bankable feasibility study for IMC Group Consulting for the Etoile mine (DRC).
- Integrated water use license for Xstrata Coal SA, Spitzkop Colliery and the Exxaro, Zeeland Water Treatment Works.
- Mining right applications for various projects.
- Mining right conversions for Xstrata Coal SA and Crown Mines.
- Water management plan for Xstrata Coal SA, Spitzkop Colliery.
- Compilation of scoping reports and Environmental Impact Assessment/Environmental Management Programme (EIA/EMP) reports for various projects.
- Undertaking of aquatic assessments for various projects in South Africa and internationally (Mali at Loulo Gold Mine, Armenia for GPM Gold, in the DRC at Kibali Gold Mine and in Botswana for the Mmamabula project).
- Implementation of aquatic biomonitoring plans in South Africa.
- Assisting with wetland delineation for various projects in South Africa.



- Project management and project administration for various multi-disciplinary South African and International projects.
- Compilation of proposals for various projects.
- Undertake the closure cost liability assessments for Xstrata Coal SA (now Glencore) and Galaxy Gold Mine.
- Assist in the undertaking of a due diligence for ARM Coal.
- Various prospecting right applications.
- Assistance with the Kibali Social Risk Assessment.
- Facilitation of Public Meetings.