

# OPUS

Executive Partners

**CONFIDENTIAL**

Candidate Report

on

**Gerhard du Plessis**

**VP Exploration**

Prepared by

**OPUS EXECUTIVE PARTNERS**

September 2008

# Gerhard Du Plessis

## GERHARD DU PLESSIS

<b>MARITAL STATUS:</b>	Married with three children
<b>NATIONALITY:</b>	South African
<b>EDUCATION:</b>	
1977	<b>U.O.F.S.</b> B.Sc. (Hons) Geochemistry
1978	<b>U.O.F.S.</b> M.Sc.
1986	<b>U.O.F.S.</b> Ph.D.
<b>PROFESSIONAL QUALIFICATIONS:</b>	Professional Geologist – registered with the South African Council for Natural Scientific Professions 1982
<b>LANGUAGES:</b>	Afrikaans and English
<b>INTERESTS:</b>	Nature conservation, wildlife, camping, racing pigeons, all sport

A successful geologist with a wide range of underground mining, geochemical exploration and geochemical laboratory experience. Scope of experience includes mine production planning, feasibility studies, financial modelling, geochemical exploration and drilling project management, capital development projects, laboratory management and strategic planning. Completed various Datamine courses on Geostatistics as well as courses of Isobel Clarke and Margaret Armstrong of Royal School of Mines in France. Experienced in using Kriging for Resource Estimates and panel estimates.

An enthusiastic and versatile team player with proven leadership qualities, analytical and logic problem solving abilities together with efficient communication and computer skills developed within innovative and orientated environments.

Hold the position as competent person currently with Lonrho Mining SA under SAMREC code for diamonds. Also got 15 years experience in Wits gold.

Has seven years experience in financial modelling as part of pre-feasibility study of Schmidtsdrift alluvial diamond deposit (subsidiary of Lonrho Mining SA) with an employment figure of 220 personnel.

Used Datamine software as geostatistical tool for variography and kriging in the resource estimation for gold deposit, as Ore Resource Manager at Harmony Gold SA.

## **Gerhard Du Plessis**

I am immediately available.

Mobile: +27823370425  
Dr.Gerhard du Plessis  
17 August 2009

# Gerhard Du Plessis

## CURRENT APPOINTMENT:

**March 2002 to present**                      **Lonrho Mining (Pty) Ltd**  
**Executive and Consulting Geologist**

### Main responsibilities

- To operate effectively as an Exco Member
- To ensure that the Ore resources of the Company are understood, defined and managed
- To ensure that the Health of the Geology discipline is maintained and improved
- Diamond Valuation and Analysis
- Responsible for all geological exploration in South Africa and Angola
- Responsible for all mining permits and liaison with Dept of Minerals and Energy
- Reporting directly to CEO of Lonrho Mining

### Main Achievements

- Since listing of company in Perth in 2007, managed to increase ore resource inventory by 18Mt of gravel through successful exploration drilling.
- Successful application of Prospecting Right for Vaalbos (previously a National Park).
- Through diligent resource management, Lonrho Mining recovered a 235 carat diamond at the Schmidtsdrift project area.

## CAREER HISTORY

**Jan 1999 – Feb 2002**                      **Rex Diamond Mining Corporation**  
**Geological Superintendent**

### Main responsibilities

- Divisional Head for Geology Department
- Responsible for all exploration in South Africa
- Responsible for Ore Resource Management of Loxton, Bellsbank and Rex Mines

### Main achievement

- Compiled the first proper ore resource calculations for Loxton, Bellsbank and Rex Mines

**April 1997 – Jan 1999**                      **Harmony Gold Mining Co. Ltd, Virginia**  
**June 1997 – Jan 1999**                      **Ore Reserve Manager**

### Main responsibilities

- Divisional Head for Geology, Survey and Sampling departments
- Together with Mining Manger, Engineering Manager and Financial Manager, form part of Franchised Management Team
- Responsible for Ore Resource Management by means of Geostats (Datamine Kriging)
- Together with Financial Manager, responsible for annual Strategic Plan

## **Gerhard Du Plessis**

- Reporting monthly to Board of Directors on achieved results

**April 1997 – June 1997    Senior Geologist**

### **Main responsibilities**

- To perform accurate ore reserve calculations for strategic planning
- Do geostatistical panel evaluation on a monthly basis by means of kriging
- Grade management on a weekly basis
- Supply management with gold balance graphs and grade reconciliation on a monthly basis
- Ore reserve audits on a monthly basis
- Manage key performance areas of sub-ordinates

### **Main achievements**

- Manage to get Harmony No 4 Shaft into a profit making situation by proper grade management
- Increased Harmony No 2 Shaft's ore reserves by 17 000m<sup>2</sup> by increasing on-reef development

**May 1986 – April 1996                      St. Helena Gold Mine, Welkom  
Senior Geologist**

### **Main responsibilities**

- To advise senior managers on known geological conditions to assist in the planning gold production
- Underground mapping, logging of boreholes and updating plans
- Investigating complex structural areas, presumably uneconomic areas and other potential economic horizons to identify areas of economic ore, using geostatistics, structural and sedimentological techniques
- Management of diamond drilling operations

### **Main achievements**

- Produce a detailed plan with target areas of No 10 Shaft by means of geostatistics, which increased mine ore reserves by 5 years
- Proved the existence of a block of reef, which will produce an extra 600kg of gold at No 4 Shaft
- Evaluated the whole of no 8 Shaft which will prolong the life of No 8 Shaft by another three years

**Jan 1979 – April 1986                      Geological Survey of S.A.  
Assistant Director**

### **Main responsibilities**

- To manage the whole electron microscopy division of the laboratory section
- To operate the electron microprobe and provide an analytical service to the other departments as well as to various other academical institutions in S.A.
- To manage the quarterly merit assessments of six geologists and seven laboratory assistants
- To train people in using the electron microprobe

## **Gerhard Du Plessis**

- To research the origin of granites east of Onseepkans in Bushmanland
- To research the origin of certain ultramafic bodies in the Barberton area

### **Ad Hoc Projects**

- As Assistant Director in the Section for Specialised Studies and Laboratory I have done special reports on certain coal deposits of the Transvaal Super Group, platinum deposits in Limpopo Province and Ni and Cr deposits on the Eastern Limb of the Bushveld Complex in South Africa.

### **Main achievements**

- Successfully developed a method to analyse fossilised pollen with the electron microscope
- Solved the origin of the granites east of Onseepkans
- Published an award-winning article on electron microscopy