

JA Grills

Personal Information

Marital status: Married
 Nationality: British
 Date of birth: 4th September 1961
 Place of Birth: Newry, N. Ireland, UK

Tertiary Education

Cycle de Formation Spécialisée en Géostatistique (CFSG)
 Ecole Nationale Supérieure des Mines de Paris (Fontainebleau, France)

PhD Geology (Structural and Metamorphic Geology)
 Queens University (Belfast, N. Ireland, UK)

BSc (Hons) Geology
 Queens University (Belfast, N. Ireland, UK)

Professional Experience

2008 - Present Z Star Mineral Resource Consultants (Pty) Ltd. Cape Town.

Director & Principal Mineral Resource Analyst

Responsible for the evaluation of mineral resources, due diligence studies and assurance/governance provision. Undertakes sampling optimisation analysis for primary and contiguous exploration programmes. Simulation studies to assess various risk and confidence issues. Classification of mineral resources (SAMREC/JORC/NI44-101) and competent person for diamond and gold deposits. Speciality is alluvial diamond deposits on the west coast of South Africa with extensive experience on both fluvial and marine terrace evaluation including geological modelling and the estimation of stone density, stone size and size frequency distributions, density and revenue. Extensive knowledge on resource to reserve modifying factors and the key issues that drive the payability of alluvial diamond deposits.

2001 - 2008 De Beers Group Services (Pty) Ltd. Cape Town.

Head of Estimation – De Beers Mineral Resource Estimation Dept

Responsible for the estimation and evaluation of numerous Mineral Resources for De Beers' operations, projects and ventures. Development of mineral resource classification system to ensure consistent analysis of risk and categorisation of resources across the group. Chairman of De Beers Mineral Resource Classification Committee. Management of De Beers Estimation Department which undertook all mineral resource estimates globally for De Beers.

1996 - 2001 De Beers Namaqualand Mines. Northern Cape.

Divisional Geologist

Responsible for the contiguous evaluation of mineral resources and the generation of new mineral reserves. Management of the production service including grade control and dynamic bulk-sampling campaigns. Competent persons sign-off of the mine's annual mineral resource statement. Input to resource to reserve modifying factors and a key member of the team that generate both the short term and Life of Mine plans.

1992 - 1996 Vaal Reefs Gold Mine (Anglo American Corporation of SA). Klerksdorp.

Mineral Resource Manager

Head of Mineral Resource Department at Vaal Reefs 10 Shaft (mining VCR). Management of Geology, Survey and Mine Planning functions on the shaft. Responsible for the generation of new mineral resources and their conversion to mineral reserves. Compilation and sign-off of annual mineral resource and reserve statements and associated strategic planning documents. Responsible for surface exploration drilling for 10 Shaft Extension. Management of MRM input to sinking of twin shafts and planning of infrastructure for a trackless gold mine.

1989-1996 Vaal Reefs Gold Mine (Anglo American Corporation of SA). Klerksdorp.

Senior Geologist/Geologist

Responsible for production service and generation of new mineral resources at Vaal Reefs 4 and 5 Shafts (mining Vaal Reef). Underground mapping of both stoping and new development. Management of underground drilling contractors and responsible for borehole layouts and logging of core. Subsequent interpretation of geology ahead of advancing development for mine planning.

Professional Affiliations

South African Council for Natural Scientific Professions (SACNSP): Professional Natural Scientist (Reg No. 400426/04)

Geostatistical Association of South Africa (GASA): Member

Publications

Grills, JA., 1988. Structural, Chemical and Metamorphic Relationship of Certain Sheared Metadolerites. Ph D Thesis, Queens University, Belfast, N. Ireland.