



Curriculum Vitae: Dawood Wepener

PERSONAL DETAIL

BORN 20 January 1971
POSITION IN FIRM Senior Engineer
NATIONALITY South African
LANGUAGES English, Afrikaans

EDUCATION AND PROFESSIONAL STATUS

- B.Sc.(Engineering)(Mechanical) with honours (November 1992) (University of Cape Town)
 - Government Certificate of Competency (Mechanical Engineer on Mines)(June 1999)
 - ECSA Professional Registration (Pr. Eng. application pending November 2008)
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PROPOSED ROLE IN PROJECT

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KEY EXPERIENCE:

Dawood worked for Turgis Consulting for 4 years and Harmony Gold Mining Company for 5 years before joining PCCE in July 2006. Key areas of expertise include the following:

- Design of pump and piping systems.
 - Design, selection and specification of mechanical equipment.
 - Project management.
 - Feasibility study costing.
 - Pipe stress analysis of pumping systems.
 - Transient flow analysis of pumping systems.
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BRIEF EXPERIENCE SUMMARY

AngloGold, Mponeng Mine

Assisted with the optimization of the backfill pipe routes for 108 to 120 Levels.

SIMRAC

Investigated the safety aspects of the re-railing of underground locomotives.

Ashanti, Obuasi Operation

Mechanical engineering design and capital costing for concept feasibility study for deep level expansion.

Kloof Gold Mine

Mechanical design checks of the shaft bottom spillage handling arrangement.

BCL, Botswana

Mechanical engineering design and capital costing for the pre-feasibility study for the expansion of the mine for various decline shaft options.

Rand Mutual Insurance

Contributed to an investigation into the risk of catastrophic death of large numbers of people in South African Gold Mines.

South Deeps Gold Mine

Prepared valve specifications for the tenders for various water reticulation systems underground.

Harmony Gold Mines and African Rainbow Mines

Investigations for the Competent Persons Report for the Companies merger.

Beatrix Gold Mine

Mechanical stress analysis of the 24 Level chilled water reticulation.

Target Gold Mine

Mechanical design and capital costing for concept feasibility, pre-feasibility and feasibility study for mining expansion in Paradise and Siberia areas and into old workings.

AngloGold Ashanti, TauTona Mine

Identification of initiatives to reduce specific electrical energy consumption.

AngloGold Corporate Engineering

Review of mine electrical energy consumption patterns and development of a cost containment strategy.

AngloGold Ashanti, TauTona Mine

Design, Specification and Mechanical stress analysis check of the chilled water reticulation for below 120 Level.

Ivanhoe Mines, Mongolia

Capital costing for the block cave and sub-level caving options for the concept feasibility study at Oyi Tologoi.

AngloGold, Brazil

Mechanical design and capital costing for the pre-feasibility study for the Raposos and Mina Grande ore bodies.

South Deeps

Undertook an audit of the north and south shaft main pipe columns (wall thickness analysis).

AngloGold Ashanti, TauTona Mine

Conducted a trade-off study to determine the pipe route for the chilled water reticulation below 120 Level.

Johannesburg Water, Northern Waste Water Treatment Works

Prepared the mechanical specification for the Unit 5 works expansion.

SIMRAC

Contributor to the materials handling chapter in the Safety in Mines Handbook.

Aflease, Dominion Reefs

Detailed water pipeline and pump design and specification for the Dominion Reef Uranium Feasibility Study.

New Platinum Corporation

Capital costing for a concept study to re-open Venterspost Number 6 Shaft.

AngloGold Ashanti, Great Noligwa Mine

73 Level and 76 Level backfill reticulation design.

Harmony Gold Mine

Progressed from Junior Engineer to Shaft Engineer responsible for the surface and underground equipment at Evander 9 Shaft. Major projects included the design and commissioning of a dirty water pump station at Unisel Mine, the construction of an additional leach tank at Grootvlei Gold Plant, the implementation of energy saving drive for all Evander Shafts and the design, implementation and project management for the installation of shaft support steelwork for shaft pillar extraction at Evander 9 Shaft.

Exxaro, Hillendale Mine

A concept level design and costing for the extension of the mining area pumping systems (ROM slurry system and sand backfill slurry system) to operate for the rest of the life of the mine.

Exxaro, Block P Extension

A trade off study to compare the costs of a positive displacement pumping system against the relocation or establishment of a new mineral processing plant at the Block P area.

Exxaro, Hillendale Mine

Dune rehabilitation slurry testing program.

Phu Bia Mining, Phu Kham Copper Gold Project

Detailed design of the tailings disposal pipeline and the decant return water pumping system.

Energy Resources of Australia, Ranger Mine

Desk-top study and order of magnitude review design and costing (for Rio Tinto Innovation and Technology) of the tailings pumping system upgrade. Fast-tracked feasibility study design and detailed design (with Beca - Australian engineering consultants) of the tailings pumping system upgrade.

Rio Tinto, Northparkes Mine

Pre-feasibility study and feasibility study design for the tailings deposition system for a planned mine production increase, including options for thickened tailings and paste deposition and working with Outotec and Knight Piesold for the feasibility study.

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