

Current position: Group Geologist IMERYS Refractory Minerals– PERC Competent Person (Ore Reserves)
Street Address: 21 Stansted Street, Highveld, Centurion, South Africa 0157
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Key Competencies:

- Tawanda has a Bachelor of Science in Geology with a minor in Geography. His experience includes mostly open cast mining, Reserve/resource management and due diligence reviews.
- Vast experience resource estimation, reserve estimation and mine design, planning and scheduling.
- His commodity experience includes Vermiculite, Bentonite, Andalusite, Ball clays, Refractory clays and Ferrochrome.
- Tawanda has experience working on, prefeasibility, feasibility and technical studies which include reserves calculation, economic evaluation, mine design and mine planning in different open pit mining projects.
- Tawanda is experienced in
 - **Surpac**
 - **Whittle Pit Optimisation**
 - **Geostatistics.**

Education:

Institution (Date from-to)	Degree(s) or Diploma (s) obtained
University of Zimbabwe (1993-1995)	BSc Geology
Bailbrook College, Bath, UK (1998)	Aerodrome and Approach Procedural Course
Harare School of Aviation (2003)	Area Non-Radar Control Course

Language skills:

Languages	Reading	Speaking	Writing
Shona		Mother tongue	
English	Fluent	Fluent	Fluent
French	Beginner	Beginner	Beginner

Employment record:

Year: Location: Employer: Position held: Activities performed:	2011 to Present Centurion, South Africa IMERYS REFRACTORY MINERALS PTY (Ltd) Group Geologist <ul style="list-style-type: none"> ■ Short, Medium and Long term Mine planning and scheduling (LOM) ■ Operational functions for different operations (estimations, mine design and planning) ■ Reporting Ore Reserves/resource estimates (BMR) ■ Exploration and drilling ■ Geological modelling, mine design and planning ■ Geostatistical estimations with implementation of procedures ■ Implementation of drillhole database to ensure data security ■ Optimized designs (pit, waste dump, restoration plan) ■ Quarterly and annual reconciliations(block model vs production data) to validate models and procedures ■ Prospecting/ mining and surface rights and permits management (applications, legal and environmental compliance)
Year: Location: Employer:	2008-2011 Shawa Vermiculite Mine, Zimbabwe Samrec Vermiculite Pty Ltd

<p>Position held: Activities performed:</p>	<p>Mine Geologist and later Technical Manager(from 2010)</p> <ul style="list-style-type: none"> ■ Worked on Exploration, reserve reporting, mine design (pit, waste dumps and closure planning) ■ Production planning and scheduling ■ Geological mapping, core drillhole campaigns, logging, sampling ■ Laboratory work to eliminate asbestiform fibres in the final product ■ Occasionally acting Mine Manager <ul style="list-style-type: none"> - Was involved in reserve/resource reporting for Xinlon Mine in China - Was involved in reserve /resource reporting for Mud Tank Mine in Australia. - Ran a drilling and mining campaign at Mud Tank Mine and overseeing the mine closure and rehabilitation in 2010.
<p>Year: Location: Employer</p> <p>Position held:</p> <p>Activities performed:</p>	<p>2004-2007 Ngezi, Zimbabwe Maranatha Ferrochrome-Amble Mining</p> <p>Project Geologist</p> <ul style="list-style-type: none"> ■ Supervision of surface and underground diamond drilling rigs ■ Sampling, lithological and structural mapping ■ Analysis of mapping data to establish structural characteristics and impact to the ore body trends and continuity ■ Chip and core logging ■ Training of technicians and Samplers ■ Ensuring that samples are dispatched timely and accurately to the laboratory ■ Responsible for ensuring that all sample quality check procedures are strictly followed ■ Worked closely with grade control geologists to ensure that drillhole layouts and ore block modelling uses geological outlines ■ Ensuring adherence to safe practices
<p>Year: Location: Employer:</p> <p>Position held:</p> <p>Activities performed:</p>	<p>1998-2003 Harare, Zimbabwe Civil Aviation Authority of Zimbabwe</p> <p>Air Traffic Controller</p> <ul style="list-style-type: none"> ■ Ensuring a safe, orderly, and expeditious conduct of flights within the Zimbabwean airspace ■ Ensuring a high standard of air operations ■ Conducting search and rescue operations for distressed flights ■ Dissemination of safety information ■ Airworthiness inspections ■ Pilot certification and rating ■ Mentoring junior and trainee air traffic controllers ■ Meteorological briefing ■ Flight data handling ■ Accepting and checking of flight plans. ■ Controlling and handling VIP movements
<p>Year: Location: Employer:</p> <p>Position held:</p> <p>Activities performed:</p>	<p>1996-1998 Chiredzi, Zimbabwe Ministry Of Education</p> <p>Teacher</p> <ul style="list-style-type: none"> ■ Classroom lesson delivery ■ Work planning, scheduling and issuance ■ Marking and record keeping ■ Supervision and monitoring of pupils ■ Supervising co-curriculum activities ■ Acting in-loco parentis

References:

- Available on request