



1. JOB ADVERT- RELIABILITY ENGINEER (01 VACANCY)

POSITION DESCRIPTION:

Bulyanhulu Gold Mine is seeking to recruit a Reliability Engineer to join and grow our team.

Join our exceptional team and embody Barrick's core values as you work with us. We are in search of individuals who can champion Barrick's DNA by:

- Communicating **Honestly, Transparently, and Acting with Integrity**
- Exhibiting a **Results-Driven** approach
- Delivering solutions that are **Fit for Purpose**
- Dedicating themselves to **Building a Sustainable Legacy**
- Taking **Responsibility and being Accountable**
- Committing to **Zero Harm**
- Cultivating strong and meaningful **Partnerships**

If you're ready to contribute to our **world-class team** while embracing these values, we encourage you to apply and become a valued member of our diverse workforce.

Reporting to: Mechanical Engineer

Duration: Permanent

RESPONSIBILITIES:

Equipment Monitoring:

- Conduct continuous and periodic monitoring of plant assets, including pumps, conveyors, crushers, mills, and other critical assets.
- Use predictive maintenance tools such as vibration analysis, thermography, oil analysis, and ultrasound to assess the condition of equipment.
- Gather and analyze data from equipment sensors and monitoring systems.

- Diagnose faults such as misalignment, imbalance, bearing failures, lubrication problems, and more using specialized Micorlog software and lubrication analysis.
- Provide recommendations based on data analysis to improve equipment reliability and prevent breakdowns.
- Collaborate with the maintenance team to schedule repairs and maintenance based on condition-based monitoring data.
- Participate in the development of maintenance strategies to reduce downtime and improve the efficiency of the mining plant.
- Prepare detailed reports of condition monitoring results, including charts, graphs, and diagnostic data.
- Present findings to engineering, operation, and management teams with actionable recommendations.
- Perform root cause analysis (RCA) for equipment failures to prevent recurrence.
- Recommend design changes or process improvements based on failure analysis.
- Work with the engineering team to improve equipment performance and reliability.
- Propose and implement improvements to condition monitoring programs and technologies.
- Stay updated on new developments in predictive maintenance technologies and methodologies.
- Ensure that all monitoring and maintenance activities comply with safety standards, policies, and regulations.
- Promote a safe working environment by identifying potential risks and hazards in equipment performance.
- Provide training and support to plant maintenance personnel on condition monitoring techniques and predictive maintenance strategies.
- Assist in the development of condition monitoring procedures and standards
- Develop and execute PMO Project "Preventive Maintenance Optimisation" to keep the execution of the Preventive Maintenance program up to date.
- Work closely with planners and work execution teams to understand and improve issues related to work instructions.
- Analyse the performance of the PM's and their relevance with regards to preventing failure as per conclusions of root cause analysis.
- Coach and support the execution team in the development of comprehensive standard jobs.
- Ensure equipment strategies are updated based on outcomes of failure investigations where appropriate.
- Develop and maintain criticality assessment for the process plant.
- Develop and maintain a strategic plan for defect elimination and managing bad actors.

QUALIFICATION REQUIREMENTS:

- Bachelor's degree in Mechanical Engineering, Electrical Engineering, or a related field.

EXPERIENCE REQUIREMENTS:

- +5 years of experience in condition monitoring, predictive maintenance, and reliability engineering within heavy industry sectors such as mining.
- Vibration Analysis Level, II, or III certification (ISO 18436 or similar is must).
- Certified Maintenance & Reliability Professional (CMRP) or other relevant qualifications.
- Machine lubrication engineer certification or similar (advantageous).
- NDT certification (advantageous).
- Condition monitoring certification

SKILLS / KNOWLEDGE REQUIREMENTS:

- Proficient in vibration analysis, oil analysis, thermography, ultrasound, Equipment alignment, and other condition-monitoring techniques.
- Familiar with RCM and data analysis tools such as SKF, Emerson, or CSI technologies.
- Good Communication Skills, English & Swahili
- Demonstrates a high concern for health, safety and environment

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2. JOB ADVERT: GEOTECHNICAL SUPERINTENDENT (1 VACANCY)

Position Description

Bulyanhulu Gold Mine is seeking to recruit a **Geotechnical Superintendent - National** to join and grow our team.

Join our exceptional team and embody Barrick's core values as you work with us. We are in search of individuals who can champion Barrick's DNA by:

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Responsibilities:

- Work in compliance with ISO 14001 and 45001 Standards
- Providing geotechnical input into the mining & mine planning process
- Maintain the Mine's Ground Control Management Plan, with regular updates to the Ground Control Management Plan document.
- Geotechnical stope designs
- Design of stope and development support e.g. primary support & cable bolt layouts
- Design, installation, evaluation & analysis of underground stability monitoring systems
- Maintaining a 3D Geotechnical block model (mining rock mass model) for stope stability and ground support evaluations
- Maintaining a Life of Mine stress model & utilizing the model for stope sequencing, evaluation of seismic risk & recommendations to mitigate geotechnical risks that might arise during the LOM.
- Raisebore stability analysis
- Pillar design & analysis
- Backfill model analysis.
- Rock mass & structural logging data analysis & validation
- Ground support project costing, budgeting & management of change
- Training of Geotechnical Engineers
- Hydrogeological work – design and monitoring of hydrogeological systems & analysis of technical reports
- Collecting, analyzing and interpreting geotechnical data
- Ensuring the production team adheres to the approved mine ground support standards.
- Ensuring ground control audits and quality assurance programs are carried out regularly and documented.
- Reviewing standard ground support profiles
- Maintaining adequate stocks of ground support consumables on site
- Providing monthly consumption reports on ground support installed
- Ensuring ground control training programmes are carried out where required.
- Managing ground support trials and making recommendations on their performance (pull testing of installed ground supports)
- Ensuring all significant ground falls are inspected and reported.
- Advising on ground control matters and generating relevant/specific ground control designs
- Generate weekly and end of month Geotechnical reports.
- Promote health and safety in the workplace.
- Compliance with all statutory regulations and procedures
- Compliance with all the Company's Policies and Procedures
- Establish and meet timelines at all times.
- Upward reporting as required.

Qualification Requirements:

- Bachelor Degree in Mining Engineering or Geological Engineering Degree preferably with a specialization in Ground Control, Geotechnical Engineering or Rock Mechanics.

Experience and Skills Requirements:

- Must have a minimum of 10 years' experience in an underground mining environment.
- Must have a minimum of 5 years post graduate industry underground mining experience preferably in precious metals using narrow vein long hole stoping.
- Proficiency with geotechnical design software such as FLAC3D, Dips, UnWedge, RS2, RS3, Map3D and Deswik mine design
- Proficiency with Ticker3D, Trace and mXrap
- Able to work safely and not create or ignore hazards.
- Able to maintain accurate records and reports.
- Ability to interpret mine layouts.

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