

JOB PROFILE

| POSITION SUMMARY | |
|---|---|
| Position Title: | Senior Mine Geologist – Production/Reconciliation |
| Site: | Bomboré Gold Project |
| Department: | Mine Technical Service |
| Section: | Mine Geology |
| Reporting to: | Chief Geologist / Mine Technical Services Manager |
| Date: | 01 March 2021 |
| PURPOSE / OBJECTIVE | |
| Reporting to the Chief Geologist, the Senior Mine Geologist – Production/Reconciliation manages all ore selection and digging activities of the mining activities, ensuring the regular mapping and structural interpretation for Block models and geological levels, metal reconciliation with process plant. | |
| DIMENSIONS | |
| The Senior Mine Geologist – Production/Reconciliation is accountable for <ul style="list-style-type: none"> • managing six (6) direct report • supervising twenty (20) indirect reports | |
| KEY ACCOUNTABILITIES | |
| <p>Operations</p> <ul style="list-style-type: none"> • Maintain divisional goals and budgets to ensure that appropriate production levels are achieved at minimum cost. • Schedule, direct, conduct and supervise geological data collection, interpretation, modelling and analysis to ensure orebody models and mine planning will optimise ore recovery and organisational profitability. • Direct and manage ore mining operations to ensure that budget and schedule targets are being met. <p>Grade Control Model Update</p> <ul style="list-style-type: none"> • Provide updated grade control wireframe and grade control model using all structural and mapping data. • Flag risk and/or opportunity areas after any grade control model update. • Liaise with Mine planners and mining contractor to facilitate optimal stope designs. • Provide Lithological Models Works closely with short term and production engineers to optimise operating development and maximise ore extraction to optimum grades. <p>Database Management</p> <ul style="list-style-type: none"> • Accurate sampling, mapping and data capturing into the database. • Provide updated geological and structural maps of all open pit excavations. • Assist to provide vital structural data for geotechnical support in bad ground areas underground. • Produce and update vertical sections over entire strike length of Orebody. <p>Mine to Mill Reconciliation</p> <ul style="list-style-type: none"> • Probable Reserve and Grade Control drilling (work program development, program execution, contractor management, budget monitoring, periodic reporting, budget development, drill team safety). • Drilling data (plods, drill data, logging, data validation, loading into database, data integrity). • Responsible for Head grade to Mill, production reconciliation, stope reconciliation, and historical reconciliation. • Assist to reconcile volumes between survey measure and actual count. • Assist to reconcile declared ore mined/grade control model/resource model. • Assist to calculate dilution and ore loss per each stope mined and for the month. • Daily grade control practices through effective monitoring and communication <p>Reporting</p> <ul style="list-style-type: none"> • Ensure all required periodic (daily, monthly, and yearly) reporting is completed and distributed on time. • Report on grade and tonnes mined, progress on drilling and information on number of samples sent to the lab. | |

- Actual v/s year to date drilling information, lab results and resource evaluations for the week.
- Ensure all geotechnical project work is documented in technical reports.
- Document all slope design and geotechnical modelling parameters relevant to the generation of the Reserve, Business and Strategic Plan pits in the annual Reserve report.

Quality Control

- Contribute to ongoing geological improvement by analysing existing processes and offering suggestions for enhancements.

Staff Development:

- Provide management, guidance, coaching and technical assistance and support to the team.
- Promote and develop the skills of subordinates through the transfer of technology and skill development through on-the-job training programs.
- Encourage and facilitate effective and supportive communication between all team members and related departments.

Safety Management:

- Demonstrate personal commitment regarding safety and environmental and Social Responsibility practices.
- Ensure that agreed procedures, safeguards and controls are applied and used.
- Ensure all activities are conducted safely and in accordance with Company standards and procedures.
- Ensure hazard management plans are observed.
- Keep statutory and internal reporting as required.
- Active participation to the Health & Safety Committee.

The duties and responsibilities listed above are representative of the nature and level of work assigned and not necessarily all inclusive.

KEY PERFORMANCE INDICATORS**Safety**

- Meet required monthly safety submissions.
 - *4 per month documented safety interactions.*
 - *4 per month documented near miss incident reports.*
 - *1 per month documented Hazard identification reports.*
 - *1 per month documented planned task observations.*
 - *1 per month documented planned inspections.*
 - *Ensure direct reports achieve their monthly safety submissions.*
- Rectify 100% of "A" class safety hazards on the same day.

All In Sustaining Costs (AISC)

- Zero (0) unplanned absenteeism per month
- 100% punctuality
- Generate and share one cost saving idea/initiative per quarter with supervisor.

Production

- Minimize Ore dilution during excavation and ore loss during transport.
- Conduct weekly audits for validations of all databases.
- 100% accuracy in geological and structural maps provided for all ore excavations.
- Achieve 100% accuracy in head grade to mill, production reconciliation, and historical reconciliation and other monthly reconciliations.
- 100% accuracy on all monthly reporting.
- Conduct two (2) trainings per month.

Cashflow

- *Control monthly expenditure to within the agreed budget.*
- *Complete capital projects on time and within budget.*

CONSTRAINTS, FRAMEWORKS & BOUNDARIES

The Senior Mine Geologist – Production/Reconciliation must:

- Comply with all safety procedures.
- Report any breaches in compliance particularly with all statutory requirements and company standards.

CHALLENGES

- Ensure efficient planning for extraction of the ore body.
- Ensure efficient metal reconciliation with Process plant.

WORKING CONDITIONS/ENVIRONMENT

- Roster: 7 weeks in, 3 weeks out
- Hours: 10 hours
- Location: Bomboré Mine site

WORKING RELATIONSHIPS

Internal

- Mine Technical Manager
- Pit Superintendent/Supervisors/Foremen
- Geologists
- Other members of the mining and technical services team

External

- Mine contractor

SKILLS, KNOWLEDGE & EXPERIENCE

Education:

- Bachelors in Geology, Engineering, Data Analyst, or related field.

Relevant experience:

- Minimum 4 years' experience in similar Geology based roles within mine operations.
- A proven track record in mining operations as well as exploration experience.
- Experience in a developing country with a preference for West African experience.
- A demonstrated ability to supervise mining contractors.
- A demonstrated ability to supervise geological personnel.
- A proven track record in open pit operations as well as exploration experience.
- Modelling Software proficiency
- Knowledge of geological software skills (Leapfrog, Surpac, Datasched, gradeRunner) is highly desirable.
- French language skills are desirable.
- Demonstrates strong conceptual skills and be capable of developing lateral and practical solutions.
- Strong analytical and problem-solving skills.
- Ability to respond to a changing work environment.
- Working under pressure and ability to manage multiple projects and tasks at the same time.
- A reputation for integrity and ethics.

ORGANISATION STRUCTURE (CHART)

