

Job Description

Title: Mine Engineer	Reports to: Senior Mine Engineer
Status: Full Time	Location: Kellogg, ID
FLSA: Exempt	Updated: 9/28/2022

Position Summary:

The Underground Mine Engineer will contribute to and provide technical advice and guidance for all phases in mine evaluation and mine operations and will be assigned large and complex engineering projects and programs at the direction of the Senior Mine Engineer. This role is responsible for the day-to-day engineering tasks associated with the development, design and production of the mine. This role is responsible for assisting in maintaining the quality of mine plans and schedules, monitoring the progress of the operations, and communicating mine plans with mine operations and other key stakeholders.

Essential Duties:

Ventilation:

- Collection of Ventilation data throughout existing development
- Identify suitable locations for intake and exhaust portals/shafts
- Ventilation sequencing for future stoping activities
- Mapping of ventilation flow with respect to historic workings

Mine Utilities:

- Design and sequencing of associated mine utilities advancement
- Specify utilities requirements in both development and production areas

Mine Planning:

- Short-Range mine planning including:
 - Development design
 - Drift and fill and long-hole stope design
 - Backfill design
 - Scheduling development, production, and backfill
 - Surveying, reconciliation of the schedule and plan with actual
- Sequencing of planned mine activities by coordinating with mine operations regarding power, ventilation, compressed air and water
- Trade-Off analyses for various mine designs
- Assist with the development of the strategic mine plans including 5-year and Life-of-Mine Plans

Mine Design:

- Development design to accommodate mine plan and implement with operational crews and planning
- Stope design
- Surface haulage and conveyance designs

Job Description

Title: Mine Engineer	Reports to: Senior Mine Engineer
Status: Full Time	Location: Kellogg, ID
FLSA: Exempt	Updated: 9/28/2022

- Rehabilitation designs and plans for existing infrastructure
- Underground crushing and conveyance systems design
- Assist with design and implementation of ground control and related ground support engineering including various rock bolting methods and shotcrete
- Optimize techniques for explosives utilization and storage

Survey:

- Serve as back-up to Mine Surveyor
- Survey of special projects: plan, organize, coordinate, and conduct surveys, tests, or investigations
- Collect data points, interpret results, and prepare and present recommendations

General:

- Provide focused review of site deliverables to ensure completeness, clarity and accuracy, preparation of presentation and reports as required
- Partner with the Environmental team to ensure permits are acquired before mining operations requires them
- Troubleshoot problems that arise and frequently inspects active mining areas; analyze and recommend solutions
- Ensure technical deliverables are completed in a timely manner
- Apply standard engineering techniques, procedures, and criteria in making minor adaptations and modifications to established engineering plans or systems
- Develop and maintain a detailed working knowledge of the mine's operational issues and apply sound engineering practices to resolve them
- Provide engineering support and guidance as required
- Ensure engineering design is in accordance to sound engineering practices

Training and Experience Required:

- Bachelor's Degree from a four-year college or university in mine engineering or equivalent required
- Professional Engineer designation preferred
- Experience in underground mining, metallurgy or mineral processing industry or similar relevant experience preferred
- Demonstrated understanding of engineering theories and principles and a demonstrated knowledge of US engineering standards required
- Knowledge of MSHA, Environmental, Safety, State, and Federal regulations as they apply to the essential responsibilities of this position required
- Effective safety performance required

Job Description

Title: Mine Engineer	Reports to: Senior Mine Engineer
Status: Full Time	Location: Kellogg, ID
FLSA: Exempt	Updated: 9/28/2022

- Ability to perform the essential responsibilities of the position is required

Skills and Abilities Preferred:

- Experience with mine modeling software and databasing software strongly preferred
- Ability to independently manage multiple projects, with a focus on process improvement and maximizing efficiency
- Excellent written and verbal communication skills
- Perform other duties as necessary to ensure the success of the company
- This position requires the ability to regularly walk over uneven, sloped, rocky, wet, or icy ground and the ability to lift 25 or more pounds consistently and safely

Other Duties:

This job description is designed to cover a general list of activities, duties and responsibilities that are required for this position. Duties, responsibilities, and activities may change at any time with or without notice based on business needs.