

## **MINE GEOLOGIST**

### **SUMMARY**

Using established procedures, the Mine Geologist visually inspects and collects both production and exploration samples, correlates data, evaluates assays and advises appropriate personnel responsible for production activities.

**ESSENTIAL DUTIES AND RESPONSIBILITIES** include the following. Other duties may be assigned.

- Production Stope Ore control, general tasks include;
  - Performs grade control and exploration sampling, geologic mapping, core logging and provides geologic guidance in both production and exploration areas. These areas include but are not limited to: stope production, ramp development, and initial vein development.
  - Recognizes various ore and waste rock types, and be able to identify and map complex geologic structures, estimates ore grade and samples rock in active production stopes; evaluates assay data; and implements grade control practices applied to cutoff grade economics.
  - Monitors production and development headings for waste rock characterization.
  - Prepares written and verbal professional reports communicating status of stoping and development areas to mine engineering, mine operations, and mill staff. Reviews and monitors stope and heading plans for possible unforeseen ground hazards and communicating findings to appropriate personnel.
- Field Mapping, general tasks include
  - Produces comprehensive geologic maps of development and stoping areas; compiles, plots and maintains up-to-date cross-section and plan-section geologic data; produces and updates last lift, current lift and next lift ore interpretations and forecasts for tons and grade.
- Diamond Drilling support, general tasks include
  - Assist with drilling activities including core handling, sample preparation, core photos, and sample logging.

### **QUALIFICATIONS**

- Bachelor's degree in geology or geological engineering from an accredited four-year college or university; and/or equivalent combination of education and experience.
- Experience in exploration or mine production geology.
- Experience in narrow vein geology and deposits preferred.
- Underground experience preferred

### **TRAINING OR SPECIAL SKILLS**

- Strong geologic mapping skills, sampling skills, volumetric estimation, and ability to visualize in three dimensions.
- Demonstrate sound judgment for making field determinations for mining guidance and ore grade control.
- Proficiency with the Microsoft Office Suite (Word, Excel, Power Point), basic skills in AutoCAD and experience in databases and 3D software preferred.
- Experience with mine production reconciliation to both concentrator performance and vein model extractions.
- Familiarity with ground support practices in underground mining in both production and development settings; Experience related to additional support requirements in unique geologic conditions is preferred.
- Organizational/planning skills will be necessary to organize, schedule and prioritize work activities to manage time effectively and ensure timely completion of projects, programs, and objectives

and that the same satisfy operational objectives.

- Analytical and statistical skills are needed to evaluate opportunities for process improvement or optimization, process or quality trends.
- Interpersonal skills are necessary in order to facilitate teamwork while working with internal and external contacts.
- Self-motivation and initiative is necessary to ensure that the work progresses independent of supervision. Being a self-starter is essential.
- Communications skills are necessary to ensure excellence in verbal and written communications, and effectively interact with associates at all levels of the organization as well as external contacts.
- Administrative skills are required to manage paperwork, meet reporting requirements, and oversee various systems.
- Detail-orientation and ability to multi-task.
- Planning skills are needed to ensure the timely completion of programs and objectives.
- Knowledge of safety, health and environmental methods, rules, regulations and procedures, and related behavioral competencies.
- Knowledge of developing technology, preferably specific knowledge of the mineral/metals business.
- Knowledge of Autocad, Vulcan, Promine, and processing and spreadsheet programs.

### **About Hecla and the Lucky Friday Mine**

The Lucky Friday Mine is a deep underground silver, lead, and zinc mine located one mile east of the town of Mullan in the Coeur d'Alene Mining District in northern Idaho. The Lucky Friday has been owned and operated by Hecla Mining Company, headquartered in Coeur d'Alene, Idaho, since 1958. Established in 1891 in one of the world's most prolific silver-producing districts, northern Idaho's Silver Valley, Hecla Mining Company's rich history of mining has distinguished it as a respected precious metals producer. Hecla is the oldest U.S.-based precious metals mining company in North America and the largest producer of silver in the U.S. Headquartered in Coeur d'Alene, Idaho, with a sister office in Vancouver, B.C., our international, publicly traded company is over 125 years old.

Hecla Limited, Lucky Friday Mine is pleased to offer competitive compensation commensurate with education and experience, and a comprehensive benefits program that includes health & welfare, income protection, paid time off and retirement plans for employees, including medical, dental, and vision coverage for eligible dependents.

Interested candidates must possess authorization to work in the United States. Applications and/or resumes may be sent via e-mail to [resume@hecla-mining.com](mailto:resume@hecla-mining.com), faxed to 208.545.3327, or mailed to:

Human Resources  
Hecla Limited, Lucky Friday Mine  
P.O. Box 31  
Mullan, ID 83846

Hecla Limited, Lucky Friday Mine is an Equal Opportunity Employer  
Visit our website at [www.hecla-mining.com](http://www.hecla-mining.com) for more information about Hecla and the Lucky Friday Mine.