



Hecla Lucky Friday Mine is recruiting an individual who embraces advances in technology and who is looking for an opportunity to be part of a collaborative team as we look to the future and change the way we mine.

### **METALLURGICAL ENGINEER**

The Metallurgical Engineer provides metallurgical expertise at a 1,200 ton per day Lead-Zinc-Silver surface concentrator to develop, maintain and continuously improve upon the operation.

**Job duties include:**

Oversees all metallurgical aspects of milling operations

- Crushing, Grinding, flotation, reagents, concentrate de-watering, tailings and water treatment
- On-Stream Analyzer XRF system
- Metallurgical reporting

The Concentrator is highly instrumented, and the Metallurgical Engineer also works with PLC based:

- Graphic operator interfaces
- Process data storage, retrieval, trending, and on-line mass balancing
- Expert; advisory and supervisory control systems.
- Modeling software

Consults with Concentrator Superintendent, Mill Foreman, and Mill Supervisors to identify problems associated with Milling procedures and processes and solutions to resolve them.

Diagnoses complex equipment or process malfunctions, production, or test problems, plans and carries out corrective action or directs operators in correcting problems.

Analyzes operating data and makes recommendations or prepares reports regarding upgrading current milling methods or procedures, utilization, and types of equipment, etc.

Ensures analyzers and sampling systems are maintained and calibrated to provide optimum process and quality control.

May advise operations personnel on process changes, reagent consumption, water, and air adjustments, etc., to obtain desired process.

Interprets and evaluates experimental, test, and other data and prepares reports and recommendations based on evaluations.

Investigates methods of improving metallurgical processes to extract silver, lead, and zinc.

Directs and co-ordinates the work of Mill Technicians or other workers engaged in various aspects of technical assignments.

Coordinates recovery of samples from various stages of processing for lab analysis.

Initiates work orders for repairs or maintenance on process control systems.

Uses bench scale, pilot scale and plant scale testing or analysis of plant data to investigate, develop, refine, and improve the metallurgical and materials balance flow sheets.

Remains current on metallurgical and processing developments in the areas of complex massive sulfides, collaborates with internal and external resources, and ensures Lucky Friday is informed and led on a technologically superior basis.

Participates in Risk Assessment activities.

Participates in the development of Standard Operating Procedures (SOP's).

**Minimum qualifications include:**

Bachelor of Science Degree in Metallurgy or related field.

5+ years' experience.

Prior experience at a Silver-Lead-Zinc Concentrator preferred.

Advanced computer skills involving Excel and data bases, and the programming and understanding of computer-controlled instrumentation is preferred.

**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.

Interested candidates must possess or be able to obtain 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.