

Job Description: Senior Engineer, Blasting Mine Technical II

Position Overview

The Senior Engineer, Blasting Mine Technical II, is responsible for overseeing and optimizing blasting operations to ensure safety, efficiency, and regulatory compliance. This role involves planning, executing, and monitoring blasting activities at the mine site, collaborating with cross-functional teams to develop best practices, and implementing advanced blasting techniques to maximize ore recovery and minimize environmental impact.

Key Responsibilities

- **Blasting Operations Management:** Plan, design, and implement blasting schedules and procedures to optimize ore extraction and ensure safety.
- **Safety and Compliance:** Ensure all blasting activities comply with local and federal regulations, safety standards, and environmental guidelines.
- **Technical Development:** Develop and refine blasting techniques using the latest technology and industry best practices.
- **Team Collaboration:** Work closely with mining engineers, geologists, and environmental scientists to coordinate blasting operations and achieve project goals.
- **Training and Mentoring:** Provide guidance and training to junior engineers and blasting crew members to enhance their skills and knowledge.
- **Data Analysis and Reporting:** Collect, analyze, and report on blasting performance metrics to identify areas for improvement and inform decision-making.
- **Equipment Management:** Oversee the maintenance and calibration of blasting equipment to ensure optimal performance and safety.

Qualifications

- **Education:** Bachelor's degree in Mining Engineering, Geology, or a related field. A Master's degree is preferred.
- **Experience:** Minimum of 5 years of experience in mine blasting or a related field.
- **Certifications:** Relevant certifications in blasting and explosives handling are required.
- **Skills:** Strong analytical and problem-solving skills, excellent communication and leadership abilities, and proficiency in blasting design software.
- **Knowledge:** In-depth understanding of blasting principles, techniques, and regulations, as well as familiarity with mining operations and geological concepts.