



Geotechnical Mining Engineer Job Description

The Geotechnical Mining Engineer is responsible for the development of mine operation strategies and plans for Black Hills Bentonite LLC (“BHB”). This includes mine site design and implementation ranging from exploration to mineral recovery to final reclamation.

Primary responsibilities:

1. Work within BHB’s Regulatory Compliance Group (“RCG team”) to develop bentonite mining and reclamation plans across the company’s permit locations in Kaycee, Ten Sleep and Upton, WY.
2. Ensure recovery site operations follow all safety and environmental regulations and guidelines.
3. Apply technological advances to improve efficiency, such as drone flight data and optimal mining techniques.
4. Coordinate with BHB’s geologist to develop future mine sites based on exploration data, plus regulatory and surface/mineral ownership considerations.
5. Help plan, develop and generate the company’s mine plans and permits in conjunction with the Wyoming Department of Environmental Quality (“DEQ”) and Federal Bureau of Land Management (“BLM”).
6. Act as a liaison between the company and state and federal regulatory agencies.
7. Assist RCG team with compiling and analyzing information for annual mining reports and permit bonding calculations.
8. With the RCG team, develop mine area road plans, including ongoing maintenance, to improve recovery site access and efficiency.

Detailed responsibilities:

- Assist with the mine permitting process across all locations as needed.
- Complete the annual mining report and calculate the permit bonding liability for the Ten Sleep mining operation.
- Use AutoCAD to generate mine plan maps for annual mining reports and new mining permits.
- Use Trimble GPS to map completed mining activities.

- Combine GPS and drone mapping technologies to gather and interpret site data.
- Coordinate with field supervisors to create the most effective operational plans, while minimizing disturbance areas.
- Collect bentonite samples to be analyzed for lab testing.
- Other duties may be required.

Reporting:

The Geotechnical Mining Engineer reports to the Mining and Reclamation Director.

Qualifications:

Education: Bachelor's degree in geological engineering, geotechnical engineering, mining engineering, or related engineering discipline. A Professional Engineering (PE) license is a bonus.

Experience and Attributes:

- Must be a team player with strong interpersonal skills to achieve shared goals.
- Ability to work with multiple parties, such as BHB field teams, landowners and regulators, plus work independently as needed.
- Professional curiosity and drive to improve operations, which includes research, investigation, analysis, creativity and the ability to make plans work.
- Have a passion for excellent reclamation results – leaving the land better than it was before.
- Excellent written and verbal communication skills.
- Comfortable with standard material testing.
- Strong computer literacy skills including proficiency in industry standard software.
- Strong organization skills and exceptional attention to detail is expected.
- Positive attitude, strong work ethic, flexibility, and willingness to take personal ownership of projects and see them through to completion are a must.
- Complete commitment to safety.

Compensation and Benefits:

The Geotechnical Mining Engineer is a salaried position.

This position qualifies for all employee benefits offered by BHB.

BHB furnishes training, equipment, and necessary tools to complete jobs in a safe and timely manner.

BHB provides a company vehicle limited to company business purposes, provided the employee has a 5-year clean MVR report. The position shall follow company vehicle policies. Vehicle use to be reviewed by the Mining and Reclamation Director on a regular basis.

BHB reimburses the employee for pre-approved out-of-pocket company expenses incurred while employed by BHB. An expense report must be filled out and approved by the CFO for out-of-pocket expenses to be recovered.

Job Details:

This position will be based in Casper, WY and will require travel to plant and mine sites and other locations as needed. Position will frequently work in outside weather conditions dependent on location.

Ability to work flexible hours, including evenings and weekends as needed to accommodate the needs of the organization.

Conditions of Employment:

Employment is contingent upon passing a pre-employment drug test. Continued employment is dependent upon adherence to the Company's drug policy which includes random drug testing throughout employment.