



RECLAMATION AND BONDING SERVICES



Mining reclamation bonds and related activities pose multiple complexities and challenges. There are numerous stakeholders (property owners, companies, stockholders, surety, regulators, neighbors, the public, and others). Most importantly, there's an obligation to protect and restore the environment, water and soil quality, and wildlife. When reclaiming a mine site, a company must exercise financial responsibility while meeting stringent permitting requirements. Designs must be enduring — so that the health of a site improves over the years. A versatile consulting firm that can create holistic solutions is essential. A mining and reclamation plan often can be revised to be more efficient, saving money over the long run.



Cost-effective solutions for mountainous challenges

The success of a mining reclamation project hinges on effective planning and management. A consulting firm like SynTerra — with a skilled staff of engineers, scientists, and managers — can make all the difference. SynTerra professionals have been integral to the successful transfer and release of thousands of mining permits. We help mining companies, sureties, land owners, and financial institutions reduce reclamation and environmental liabilities in bond exposure.

To keep projects on track and in compliance, we apply our knowledge of state and federal mining and environmental regulations. We also have vast expertise and on-site experience in mining engineering. That expertise spans from geotechnical analysis to environmental studies to closure designs. It all amounts to holistic, cost-effective reclamation solutions and enables us to take a project from start to finish.

SERVICES/CAPABILITIES FOR RECLAMATION MANAGEMENT AND BOND MINIMIZATION

Permitting and Compliance

- State mine permits/transfers
- NPDES (CWA Section 402)
- Air quality (State Origin Title V)
- SWPPP/SPCC plans
- CWA Section 401 and 404 permitting
- Corrective action plans

Mining/Engineering

- Geotechnical
 - Slope stability
 - Subsidence
 - Impoundment/dam designs
- Surveying/mapping/drones
- Mine planning/designs
- Closure designs
- MSHA/OSHA compliance
- Hydrological/flooding studies

Sciences

- Due diligence
- Phase I/II environmental site assessments
- Incremental bond planning
 - Reduced regulatory exposure
- Geology/exploration
- Resources/reserve analysis
- Water resources
- Reclamation liability assessments

Support Services

- Operations management support
- Construction monitoring
- GIS/CAD
- Data management and research
- Construction and inspections
- Regulatory negotiations
- Drone monitoring

FOR MORE INFORMATION:

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